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AUDIO-VISUAL MATERIALS FOR SCHOOLS, COLLEGES, AND ADULT STUDY GROUPS

AUDIO-VISUAL

ESOURCES FOR TEACHING

AUDIO-VISUAL BUREAU

OF THE UNIVERSITY OF NORTH CAROLINA

AT CHAPEL HILL

UNIVERSITY OF NORTH CAROLINA
EXTENSION BULLETIN

Vol. XLIII No. 1

Announcement for 1963-64

AUDIO-VISUAL MATERIALS FOR SCHOOLS, COLLEGES, CHURCHES, AND ADULT STUDY GROUPS

BUREAU OF AUDIO-VISUAL EDUCATION
Abernethy Hall, Chapel Hill, N. C.
Telephone 968-4493

The materials and services of the Bureau of Audio-Visual Education are made available to institutions of higher learning, schools, public libraries, and adult organizations throughout the state on a non-profit basis. The Bureau also provides technical assistance and audiovisual materials for instruction to all University departments, including campus adult education activities.

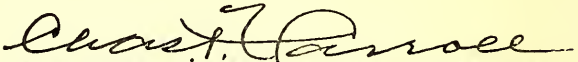
The audio-visual education services are designed primarily to supplement classroom instruction and to aid in general adult education. Consequently, aid that will fit into the pattern of the educational program of the state are selected and made available.

80142

FOREWORD

The effectiveness of Audio-Visual Aids as important tools in instruction has been amply demonstrated not only in our schools but throughout business, industry and our military services as well.

The services of the Bureau of Audio-Visual Education of the Extension Division of the University of North Carolina in serving as a depository, in counseling on the use of audio-visual aids and in developing a magnetic tape service will make available authentic programs in foreign languages, music, science, mathematics, literature and mental health can prove to be of inestimable value to the public schools of North Carolina.



State Superintendent of Public Instruction

This catalog has been prepared in collaboration with the staff of the Bureau of Audio-Visual Education.

KENNETH M. McINTYRE, Director

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SPECIAL ANNOUNCEMENT

CLUB PLAN 300 FOR MAXIMUM UTILIZATION AT MINIMUM RATES

Club Plan 300 provides a school system with the use of approximately $15,000 worth of educational films for a guaranteed minimum rental rate of $300. This plan is based on one week's use of a one reel black and white film for $2.00 per reel.

Teachers in individual schools may book films through principals directly from the Bureau of Audio-Visual Education. Ten days service via parcel post to individual schools is possible under this plan. Individual schools or groups of schools may apply.

Write to the Bureau of Audio-Visual Education, University of North Carolina, Chapel Hill, for detailed information.

RENTAL FEES

Club plans offer a considerable savings to the school or school administrative unit.

MAIL DELIVERY

INDIVIDUAL RENTALS

One Day's use of Audio-Visual Aids ..... $1.00 per unit

CLUB PLANS

Used in *only one* school for *one day*

PLAN A.	50 units Audio-Visual Aids	$ 45.00
PLAN B.	140 units Audio-Visual Aids	100.00

Used in *only on* school for *one week*

PLAN C.	100 units Audio-Visual Aids	80.00
PLAN D.	200 units Audio-Visual Aids	160.00

Used in *more than one* school for *one week*

PLAN E.	150 units Audio-Visual Aids	150.00
PLAN F.	300 units Audio-Visual Aids	300.00

Used in *more than one* school for *two weeks*

*PLAN G.	500 units Audio-Visual Aids	500.00

Note. ALL CLUB PLANS are on a *twelve month* basis—that is, Audio-Visual Aids may be used under a CLUB PLAN for 12 months beginning with the date of the first delivery. One half (½) the cost of any plan may be paid in the fall semester, and the balance in the spring semester.

* This is a guaranteed minimum rental plan of $500.00 per year.

Alphabetical List of 16mm. Educational Films With Description, Price and Unit Value

Unit Value

ABEGWEIT (NFBC)

15 minutes—color $1.50 1.5
Abegweit, meaning "cradled in the waves," is the Indian name for Prince Edward Island. The camera roams over pleasure resorts and cultivated areas at no point far from the sea, which earn for this island the name "Garden of the Gulf." It shifts from one vacation spot to another showing the variety of interests and holiday facilities that await the summer visitor. (Elem. through Adult)

ABRAHAM LINCOLN (EBF)

20 minutes—sound $3.00 3
Dramatically re-enacts incidents in Lincoln's life which characterize him as an outstanding exponent of human freedom. Traces interesting events of Lincoln's early boyhood which reveal his unforgettable qualities of integrity, humor, common sense and tenderness. Points to his several roles as store clerk, woodsman, lawyer, husband, father, congressman and President. (Jr. High through Adult)

ABRAHAM LINCOLN: A BACKGROUND STUDY (Coronet)

16 minutes $3.00 3
Against a realistic background of Illinois, Indiana, and the Kentucky hills, the film relates Lincoln to the historical period in which he lived. Writings and speeches document his great contributions to our nation. (Jr. High, Sr. High)

ACCENT ON USE (NatFdInfan Par)

20 minutes—sound $1.50 1.5
Shows the techniques of physical therapy and their importance in the treatment of infantile paralysis. (Sr. High through Adult)

ACT YOUR AGE (CORONET)

13 minutes—sound $3.00 3
Students will see here some of the more common types of "infantile reaction"—temper, weeping, inability to "take a joke" as well as other forms of emotional immaturity. And, having seen examples of these traits, they'll learn the basic reasons for the continuance of these common signs of emotional immaturity into adolescence. To help overcome the social handicaps that come with inability to "grow up" the film offers a method of self-evaluation. (Jr. High through Adult)

ADDITION IS EASY (CORONET)

10 minutes—sound $2.00 2
What is addition? How is it done? Billy needs to buy a set of paints but he wants to buy a baseball bat too. Has he enough money in his own bank? This simple and effective film lesson establishes the basic concepts and demonstrates the methods of

Unit Value

addition which are all-important to a solid foundation for the study of mathematics. (Primary and Elementary)

ADDITION OF WHOLE NUMBERS (SRA)

29 minutes—sound-color $5.00 5
Demonstrates union of disjoint sets as a basis for addition commutative and associative properties; identity element for addition; and carrying by regrouping of sets.

ADVANCE THE BOMBER LINE (McGRAW-HILL)

28 minutes $5.00 5
How American forces took the key islands in the Pacific culminating in the big battle of Saipan—so that our B-29 Superfort bombers could have a base from which to mount aerial attacks on the Japanese mainland. (High School through Adult)

ADVENTURES OF A CHIPMUNK FAMILY (EBF)

11 minutes $2.00 2
The story of a chipmunk family and especially of young babies from early spring to the beginning of winter. The film shows the newborn chipmunk babies and their training period during the early summer. Through use of a special device, it is possible to observe the chipmunk digging his burrow, collecting his store of food, and settling down for the winter rest. Primary, Middle.

ADVENTURES OF BUNNY RABBIT (EBF)

10 minutes—sound $2.00 2
Dramatizes for primary children the adventures of a mother rabbit and her family in their natural environment, explaining the rabbit's habits and characteristics. (Primary and Elementary)

ADVENTURES OF JUNIOR RAINDROP (USDA)

8 minutes—sound—color $1.50 1.5
Animated cartoon of a raindrop's visit to earth. Shows the need for everyone to be informed on good watershed management practices. Raindrops, like children, become delinquent and lawless when their welfare is neglected. The animation is supplemented with "live" action scenes showing contrasting results of poor and good watershed management. (Elementary through Adult)

ADVENTURES OF WILLIE SKUNK (YA)

10 minutes—sound $2.00 2
The amusing story of Mother Skunk and her five babies, featuring Willie Skunk, the baby who always seems to be getting into difficult situations. (Primary)

ADVENTURING PUPS (YA)

10 minutes—sound $2.00 2
The story of three beagle puppies and their adventures on the farm and in the woods. Serves to stimulate observation by the pupil and introduce him to the characteristics and actions of dogs and several other animals of the woods and farm. (Primary)

Unit Value

AFRICAN FAUNA (PAUL HOEFLER)

10 minutes—sound—color $2.00 2
This beautiful, interesting, and instructive film was photographed just before the war by this internationally recognized African authority. It shows the animals: Waterbuck, Impalla, Cheetah, Crocodile, Elephant, Zebra, Lion, Giraffe, all in their natural habitat.

AGE OF DISCOVERY (CORONET)

10 minutes—sound $2.00 2
Spanish and Portuguese Explorations. Map animations, scenes of Spanish and Portuguese towns and places connected with the "age of discovery," and shots of statues, paintings and other objects of historic interest which combine to present a picture of the men, the ships, and the instruments used. Reference is made to the voyages of Prince Henry the Navigator, Columbus, Vasco Da Gamma, Magellan, and the Conquistadores. (Elementary through Adult)

AGE OF DISCOVERY: ENGLISH, FRENCH, AND DUTCH EXPLORATIONS (Coronet)

11 minutes $2.00 2
The reasons behind the explorations of Cabot, Verrazano, Cartier, Frobisher, Hudson, Drake, and Raleigh—the routes they followed and the effects of their expeditions to North America. Intermediate, Junior High, Senior High.

AGE OF DISCOVERY: ENGLISH, FRENCH AND DUTCH EXPLORATIONS (Coronet)

11 minutes $2.00 2
Scenes in Spain and Portugal furnish a background to the accomplishments of Prince Henry, the Navigator; Diaz; Columbus; Vasco da Gama; Magellan; and other explorers. Intermediate, Junior High, Senior High.

THE AGE OF ELIZABETH (EBF)

30 minutes—sound—color $5.00 5
The background of Elizabethan England as well as a comparison of the Globe Theatre and the modern theatre. (High School through Adult)

THE AGE OF SOPHOCLES (EBF)

30 minutes—sound—color $5.00 5
Bernard Knox discusses the background of the Greek Theatre through a correlation with the History of Greece. (High School through Adult)

AGRICULTURAL ENGINEERING

14 minutes—color $1.50 1.5
Describes the work of engineers who seek practical solutions to the engineering problems of food and fiber production and processing. Designed to interest high school students in a career in agricultural engineering. Includes scenes of pineapple and sugar cane harvesting in Hawaii, the new teflon plow, and interior views of a cotton spindle picker and an ensilage harvester in operation. (High School)

Unit Value

AGRICULTURAL LIFELINES

13¼ minutes—color $1.50 1.5
This USDA Centennial Series film is the story of "food on the move," told in a fast-moving motion picture that takes a lively look at the vital steps which insure the quality and quantity in the food we want . . . and get. Trucks, trains, boats, processing plants, distribution centers, markets and supermarkets are all part of a vast complex network of operations engaged in our agricultural lifelines — from grower to consumer. (Jr. High through High School)

AGRICULTURE'S SHOWCASE ABROAD

13¾ minutes—color $1.50 1.5
Millions of the world's potential customers are seeing, feeling, and tasting American farm products colorfully and dramatically displayed at international trade fairs—from Tokyo to Zagreb, Europe to Latin America. In this film, we watch our friends abroad enjoy many of the miracles we have taken for granted—instant dry milk, fried chicken, and the supermarket. TV. (Junior High through High School)

AGRICULTURE, U.S.A.

29 minutes—color $1.50 1.5
In commemoration of its hundredth year of service to a growing America, the U.S.D.A. presents this panoramic documentary of agriculture on the march. From research comes knowledge . . . from knowledge comes power—the power to meet the needs of our ever-expanding population. Here is a breath-taking film whose content is timeless—whose message is vital; here, offered in blank verse narration and in beautiful color, is the story of Agriculture, U.S.A. (Junior High through High School)

THE AIR AROUND US (EBF)

11 minutes $2.00 2
Shows that the air is real, that it has both weight and volume. By animation, the chemical composition of the air is explained. A boy then discovers that the physical and chemical properties of the air are useful to men in many ways. Middle.

AIRPLANE CHANGES OUR WORLD MAP (EBF)

11 minutes—sound $2.00 2
Describes the evolution of world map concepts and how the airplane has drastically reduced travel distances. Sequences include the problem of projection distortion; early maps and globes; latitude and longitude; Mercator's, Mollweide's, and Goode's projections; and distance contrasts between points on the globe by land, water and air travel routes. The Great Circle route is traced on Mercator's projections, and airplanes and steamship travel distances are compared. (Elementary through Adult)

AIRPLANE TRIP (EBF)

11 minutes—sound $2.00 2
A mother and her young daughter journey to Salt Lake City from Los Angeles in an airplane. They see parts of the plane serviced; mail and passengers taken on; the safety belt adjusted, and the plane's instruments explained. They are served a meal,

Unit Value

see the berths made up and hear a radio and telephone weather report. (Primary and Elementary)

AIRPLANES AND HOW THEY FLY (YA)

11 minutes—sound $2.00 2
An elementary discussion of the principles of aircraft flight. Also illustrates types of modern aircraft. (Elementary and Jr. High)

AIRPORT (EBF)

11 minutes $2.00 2
Brings to life the fascinating activities at a large, busy commercial airport. Instructions are radioed from the control tower to incoming planes; giant airliners land and take off; passengers purchase tickets; food is prepared in the airport kitchen for each flight; baggage and mail are made ready; and a private pilot charts his trip and submits his flight plan. Primary, Middle.

AIRWAYS OF THE FUTURE (McGRAW-HILL)

12 minutes $2.00 2
Shows the importance of the Air Transport Command in 1942 when war supplies were badly needed in Africa and how a global network of air routes was built. Includes scenes of training and activities of ATC personnel and shots of "obscure" air terminal abroad. (High School through Adult)

ALASKA (EBF)

10 minutes—sound $2.00 2
Developed to show the relationship of people living in Alaska to their environment and the tremendous reservoir of resources which Alaska comprises. Fishing, lumbering, mining, fur trapping and agriculture. (Elementary through College)

ALASKA AND ITS NATURAL RESOURCES (USBM)

28 minutes—sound—color $1.50 1.5
The audience learns of Alaska's history and traditions, and of the young State's rich potential in minerals, fuels, fisheries, agriculture, timber, water, and other natural resources. Scenes typifying the early Gold Rush Days along the Yukon dissolve into views of present-day gold, silver, platinum, mercury, and coal operations. Agriculture is depicted in scenes of the lush Matanuska Valley, where the rich soil and long summer days combine to help crops develop in record time despite the shortness of the growing season. (Elementary through Adult)

ALASKA—Eskimo Hunters (UWF)

20 minutes—sound $3.00 3
In this vivid film, we learn how people live in regions where the weather is always cold, chiefly by fishing, trapping and hunting. We live with an Eskimo family in northern Alaska where life is conditioned by this low temperature even in summertime. (Elementary through Adult)

Unit Value

ALASKA'S SILVER MILLIONS (AC)

34 minutes—sound $1.50 1.5
Fascinating story of salmon and the amazing land of Alaska. Shows the geographical setting and many scenic wonders. (Elementary through Adult)

ALCHEMY OF FIRE (CTB)

15 minutes—sound—color $1.50 1.5
Against a background of French-Canadian scenes this film presents the work of talented Quebec artists whose creativity finds expression in enamel design.

ALCOHOL IN THE HUMAN BODY

15 minutes—sound $3.00 3
Uses both live photography and animation to show the specific effects of ethyl alcohol on the body. Describes the characteristics of the liquor, traces its course through the body and shows its effect upon the brain and actions of the imbiber. (Jr. High through Adult)

ALGEBRA IN EVERYDAY LIFE (CORONET)

10 minutes—sound $2.00 2
There is nothing mysterious about algebra. It is only a language of numbers. Your student will realize this as they see Grace and Bill solve a problem confronting them in the preparations for their annual school revue . . . solve it by using algebra. With emphasis on three basic algebraic steps: 1) observation, 2) translation, 3) manipulation and computation, this film shows how algebra is used in everyday life. (Jr. and Sr. High)

ALIMENTARY TRACT (EBF)

10 minutes—sound $2.00 2
Supplement to "Digestion of Foods." Treats motility phenomena of gastro-intestinal tract. Hypermotility, inhibition, anti-peristalsis, hunger contractions and normal movements are illustrated. (Jr. High through College)

ALL IN A LIFETIME (NEA)

28 minutes—sound $1.50 2
When schools of the past are compared with those of today, the changes that have occurred are startling. In this film long-time residents of a typical American town reflect on changes in their schools since the turn of the century. (College through Adult)

ALLELISM & LETHALS

30 minutes—sound $5 5
Lecture on Allelism and lethals by Dr. C. Stern. (College)

ALLERGIES (EBF)

12 minutes—sound—black and white $2.00 2
Presents facts necessary for a fundamental understanding of the nature of allergies. Describes an allergy as a pronounced sensitiveness of a given part of the body to a particular substance such as certain pollens, dusts, foods, etc. Points out types of

Unit Value

research now being carried on in the field, and explains tests for detecting allergies. (Jr. High through Adult)

THE AMAZON (PEOPLE AND RESOURCES OF NORTHERN BRAZIL (EBF)

22 minutes $4.00 4
Explores the great valley of the Amazon—the swampland and jungle, primitive Indian villages, small farms and market towns, fishing villages, river traffic, and harbor cities. Typical family and village scenes illustrate the various ways in which people along the Amazon gain a living from the river and the jungle. Middle, Jr. High, Sr. High, Adult.

AMEBOID ORGANISMS (McG-H)

28 minutes—sound—color $5.00 5
Exemplifies with the ameba those organisms which move by means of temporary projections termed pseudopodia. The physical and chemical phenomena of movement and the structure of the ameba are described. Discusses amebas living in varied environments such as soil and within the bodies of other animals. The life cycle of the cellular slime molds is discussed, as are the characteristics of the true slime molds or myxomycetes. (High School-College)

AMERICAN FLAG, THE (EBF)

13 minutes $3.00 3
Born as we fought for liberty, our flag grew with the nation. Here is the stirring dramatization—the march of events—out of which the stars and stripes have emerged as the emblem of our nation's independence and unity. (Elementary, Jr. and Senior High)

AM I TRUSTWORTHY (CORONET)

10 minutes sound $2.00 2
Returning borrowed articles, keeping promises, doing a good job with assigned tasks are all presented as examples of trustworthiness in this film. Students see and learn that by practicing trustworthiness in the little things of everyday life, people will trust them when important issues are raised. Trustworthiness is seen as a part of our daily routine. Use of this motion picture can do much to solicit the support of the class as a group in developing trustworthiness. (Primary and Elementary)

AMERICAN INDIANS BEFORE EUROPEAN SETTLEMENT

11 minutes—sound $2.00 2
In five basic regions of the United States, we learn of American Indian tribes—where they came from, how they lived, and unique aspects of their cultures. Intermediate, Junior High, Senior High.

AMERICAN LITERATURE: COLONIAL TIMES (CORONET)

10 minutes $2.00 2
We see that the beginnings of literature in this country took the form of practical, useful documents, reflecting the natural wonders of the new world to which the settlers had come, and the hard pioneer life and deep religious faith of these people. Although the colonial period was not rich in literature as we

Unit Value

know it today, it has been and still is an important source of literary inspiration to later American writers. (Junior High, Senior High, College)

AMERICAN LITERATURE: EARLY NATIONAL PERIOD (CORONET)

10 minutes $2.00 2
The first real literature of America is presented here in the writings of Philip Freneau, William Cullen Bryant, Washington Irving and James Fenimore Cooper, who found their subjects in the native scene, the natural beauty, the folk legends, the humor, and the traditions which were characteristically American. (Junior High, Senior High, College)

AMERICAN LITERATURE: REVOLUTIONARY TIMES (CORONET)

10 minutes $2.00 2
From this period emerged some of the most impassioned pleas for the natural rights of mankind ever produced by a people. The feeling, depth, and beauty of many of these political documents raise them to the level of true literature. This film brings to life some of the important writings of Benjamin Franklin, Patrick Henry, Thomas Paine and Thomas Jefferson. (Junior High, Senior High, College)

AMERICAN LITERATURE: THE REALISTS (CORONET)

10 minutes $2.00 2
The scientific and industrial advance in America and its accompanying social and economic problems formed the background from which the realists emerged. This film discusses the writings of Upton Sinclair, Theodore Dreiser, Hamlin Garland, Stephen Crane, Jack London, Booth Tarkington, and Sinclair Lewis, and associates the theme of realism with many of our present-day novelists, poets, essayists and dramatists. (Junior High, Senior High, College)

AMERICAN LITERATURE: THE WESTWARD MOVEMENT (CORONET)

11 minutes $2.00 2
This film shows how the people and themes of the westward movement have served as a source of material for writers, from the early nineteenth-century to the present day. Junior High, Senior High.

AMERICAN PORTRAIT (Am. Life Ins.)

26 minutes—sound $1.50 1.5
The story of improvement and better ways of life which have come into being over the course of the last one hundred years. Barbara, a member of the Smith family is unimpressed with the family's achievements, until Grandpa puts her straight by showing her how her own family helped sell America into a better way of life and the highest standard of living in the world. Shows the place of the life insurance salesman in the community. (Sr. High through Adult)

AMERICAN REVOLUTION (EBF)

12 minutes—sound—color $4.00 4
A clear explanation of the strategy, the struggle, the movement

Unit Value

of forces, and the important military engagements of the war for independence. Stresses geographical and social factors which brought victory to the thirteen states. Animated drawings cover the terrain and battlefields over which the war was fought. (Sr. High through Adult)

AMERICAN REVOLUTION: THE BACKGROUND PERIOD (CORONET)

10 minutes $2.00 2

What caused the farmer, laborer, craftsman, merchant, and frontiersman to take up arms against the British? Each had his own reason, but they were all united in the common cause of freedom. This film treats the political, social, and economic conditions that formed the background of the American Revolution, and those events which forced the Colonists to rebel against their mother country. (Junior High, Senior High, College)

AMERICAN REVOLUTION: THE POSTWAR PERIOD (CORONET)

10 minutes $2.00 2

Out of the battles that began at Concord, the work to form a unified army, the sufferings of seven years of war; out of the victory and out of the experiences of seven years without a central government, came an enduring government—our Constitution. This film traces the steps that brought union to the independent states of America. (Junior High, Senior High, College)

AMERICAN REVOLUTION: THE WAR YEARS (CORONET)

11 minutes $2.00 2

Here are the major phases of the war—the proclamation at Independence Hall, the crisis at Valley Forge, the turning point at Saratoga, the climax at Yorktown, and the victory made possible at Paris. Washington's role is stressed. (Junior High, Senior High)

AMERICAN ROAD (Ford)

39 minutes $2.00 2

From the opening of the horseless carriage era to the threshold of the atomic age, this film portrays the dramatic and unprecedented growth of America over a span of 50 years. (All age groups)

AMERICAN SQUARE DANCE (CORONET)

11 minutes—sound—color $4.00 4

Teaches the positions of the dancers in relation to the calls and defines terms. We see (1) the Swing, (2) the Alemande, (3) the Grand Right and Left, (4) the Promenade, (5) Promenade the Outside Ring, (6) Right and Left Through and Back, (7) Two Ladies Chain and Back, (8) Four Hands Up and Half Around, and (9) Do-si-do. There is ample review of these fundamentals. (Elementary through Adult)

AMERICAN TEACHER (MOT)

15 minutes—sound $2.00 2

The basic theme is that all good teachers know their methods are as individualistic and personal as any other artists, and all realize the importance of developing in their pupils the ability

Unit Value

to think, as well as a knowledge of the facts. (Sr. High through Adult)

AMERICA'S WONDERLAND (C)

10 minutes—sound $2.00 2
Niagara Falls, Rocky Mountain national park, the Yellowstone, Crater Lake, the Columbia River, Bryce and Grand Canyon, the Yosemite, Mount Rainier, the Monterey Peninsula all are shown. (Elementary through Adult)

ANCIENT EGYPT (CORONET)

11 minutes—color $4.00 4
This film develops the ways in which Egyptian civilization contributed to our own culture—development of agriculture and community living, discoveries in arts and sciences, and development of religion. (Jr.-Sr. High School)

THE ANCIENT EGYPTIANS (IFF)

27 minutes—sound—color $7.00 7
The first sequence of this film deals with archaeology and the beginnings of the study of Egypt after Napoleon's conquest. The central section presents in broad outline the history of Egypt from 2700 BC down to the Roman Conquest, but the focus is always upon the ancient Egyptian himself. The film ends with a kind of epilogue about the building of the Aswan Dam and the threat to the great temple at Abu Simbel. (Jr. High thru Adult)

ANCIENT GREECE (CORONET)

10 minutes—sound $2.00 2
Primarily photographed in Greece, the film is an authentic document. It offers an ideal dramatization of one of the most important periods in human history, showing the Parthenon, the village of Sparta and the Acropolis. (Junior and Senior High)

ANCIENT MESOPOTAMIA (CORONET)

10 minutes—sound $2.00 2
The contributions of the Sumerians, Semites, Babylonians and Assyrians, who occupied the Tigris-Euphrates valley, are depicted against authentic locales that include Babylon, Ur and Nineveh. These people were first to use the arch and the wheel. They developed a code of laws, a system of writing and military science—all of which have become a part of western civilization. (Jr. High through Adult)

ANCIENT ORIENT: THE FAR EAST (CORONET)

13½ minutes—sound $5.00 5
Re-enactments and authentic locales, combined with early manuscripts, paintings, sculpture, and architecture, show the heritage which has shaped oriental life and thought.

ANCIENT ROME (CORONET)

10 minutes—sound $2.00 2
As a city, as a religious center, as a capital of an Empire, Ancient Rome dominated the people of its times. Even in our modern world the Roman influence is profound. In this production an authentic visual background is presented for the study of An-

Unit Value

cient Rome. The achievements of Rome in government, in architecture, in engineering, are presented here . . . our specific inheritances from the culture are established. The famous Appian Way, the Sacra Via, the Forum and the palaces of the Palatine Hill are just a few of the scenes of Roman grandeur presented. (Elementary through Adult)

ANCIENT TRAILS IN NORTH AFRICA (UWF)

10 minutes—sound $2.00 2
This film traces the known and conjectured history of ancient man thru ancient Rome, Carthage, and the Berbers, back to the trodiodytes and their shadowy paleolithic predecessors. The work of Count Bryon, noted archaeologist, is fascinatingly presented. (Jr. High through Adult)

ANCIENT WORLD INHERITANCE (CORONET)

11 minutes—sound $2.00 2
The study of ancient civilizations can well begin with the relationship of modern times to the Ancient World. By a visual comparison of the ancient with the modern the film shows how such everyday articles as textiles, paper, agricultural implements, and such institutions as writing and organized law are inherited from the cultures of the Egyptians, Babylonians, Assyrians and other ancient peoples. (Jr. High through Adult)

AND SO THEY LIVE (NYU)

25 minutes—sound $4.00 4
The tragic poverty of the land in a rural southern community, the lack of proper diet, housing and sanitation, and the need for better adaptation of the school program to the problems of the community. There is a detailed and intimate picture of the family, the real affection and respect among the family members emerging as clearly as the unfortunate social and economic circumstances in which they live. (College and Adult)

AND GLADLY TEACH (NEA)

28 minutes $1.50 1.5
This film dramatically points up the deep satisfactions of teaching—the "lovely magic" when a small face lights with comprehension, or a boy who hates school suddenly finds there's an important spot waiting for him in school band or Kilowatt Club. Shown are the wide range of opportunities in teaching.

ANDES, THE (HFE)

10 minutes—sound—color $4.00 4
The Andes are shown as a distinct region of South America. Its effects on agriculture—nitrate and mineral resources—is depicted. Its barrier aspects are discussed in relation to trade and industry. Railway, roads, and airplanes each demonstrate their ability to cross the mountain chain. Excellent maps and charts show major geographic sectors of South America and the effect of the Andean mountain barrier on rainfall patterns. (Elementary through Adult)

ANDREW JACKSON (EBF)

20 minutes—sound $4.00 4
Portrays important episodes in the life of America's seventh

Unit Value

president. Re-enacts significant experiences of Jackson's boyhood; depicts highlights of his military career; traces major events of his years as president. Reveals the spoils system, and explains his attack on the United States Bank. (Jr. High through Adult)

ANIMAL BREEDING (EBF)

13 minutes—sound—black and white $2.00 2
Essential procedures in animal breeding or genetics are shown in operation at an up-to-date breeding farm. Techniques of selecting parent stock are described, and examples of inbreeding and outbreeding shown. Identifies the unusually important pioneering roles of Robert Bakewell and Gregor Mendel. Explains the importance of artificial insemination. Outlines the major producer and consumer benefits derived from modern stock breeding procedures. (Biology and General Science)

ANIMAL HOMES (EBF)

11 minutes $2.00 2
Shows where animals live—in trees, in the ground and in water. Not only are settings and exterior scenes of different homes shown, but views are provided inside such homes as those of the trap-door spider, squirrel, raccoon, skunk, woodchuck and wood mouse. Primary, Middle.

ANIMALS GROWING UP (EBF)

10 minutes—sound $2.00 2
Traces growth and development of representative baby animals during the first few weeks of life. Animals depicted include a litter of puppies, a new born calf, and a hatching of chicks. The film illustrtaes how mother animals care for their young, and excellent close-up scenes portray clearly the physical changes taking place in the young animals at intervals of several days and weeks. (Primary and middle grades)

ANIMALS IN AUTUMN (EBF)

11 minutes $2.00 2
Shows typical autumn activities of a variety of animals—searching for food, building warm homes, preparing to migrate or hibernate during the winter months. Includes large animals like the deer; smaller animals like the fox, rabbit, ground squirrel, raccoon, weasel, and cony; cold-blooded animals, birds, and insects. Primary, Middle.

ANIMALS IN MODERN LIFE (EBF)

10 minutes—sound $2.00 2
How animals are used in our modern civilization to furnish food clothing, material, and power. (Jr. and Sr. High)

ANIMALS IN SPRING (EBF)

11 minutes $2.00 2
A delightful spring excursion into the natural environs of bluebirds, ducks, insects, frogs, turtles, foxes, skunks, woodchucks, and others. Primary, Middle.

ANIMALS IN SUMMER (EBF)

11 minutes $2.00 2
Turns the camera upon a dozen or more common animals of the woods during the summer months. From the fish and frog to insects and meat eaters, we see animals seeking food and sheltering their young from their enemies. Primary, Middle.

ANIMALS IN WINTER (EBF)

11 minutes—sound $2.00 2
Provides an opportunity to study various wild animals as they prepare for and live thru the winter season. Portrays a badger, woodchuck, chipmunk, caterpillar, owl, rabbit, bluejay, porcupine, bobcat, and fox in natural settings. (Primary and Elementary)

ANIMALS OF THE INDIAN JUNGLE (EBF)

11 minutes $2.00 2
Explores the dense tropical rain forest of Eastern India, showing vivid closeups of representative animals in their native environment. Shows the pattern of survival in the jungle—the ways of the hunters and the defenses of the hunted. Includes sequences on the tiger, the python, the cobra, the mongoose, the monkey, and the elephant. Middle.

ANIMALS OF THE ZOO (EBF)

10 minutes—sound $2.00 2
Animals of the zoo and foods they eat. Includes lion, tiger, giraffe, bison, sea-lions, bears, hippopotamus, rhinoceros, elephant, monkeys, and bears. (Primary and Elementary)

ANIMALS—WAYS THEY EAT (EBF)

11 minutes—color $4.00 4
Through close-up photography this film offers a fascinating study of how animals and insects catch and eat their food. (Primary, Elementary)

ANIMALS—WAYS THEY MOVE (EBF)

11 minutes—color $4.00 4
Through close-up photography we are able to observe animals in their natural habitats, seeing how each animal makes use of individual means of locomotion. (Primary, Elementary)

ANIMULES (IntFlmB)

11 minutes—sound—color $4.00 4
Designed to encourage children's creativeness to have full play in making entirely imaginary animals out of wet paper, paste and tempera paints. Methods of constructing several basic forms are outlined and possible variations suggested by adding buttons for ribbon or yarn in many combinations. The importance of originality is stressed throughout the film. (Elementary through Adult)

ANOTHER TO CONQUER (TB)

22 minutes—sound $1.50 1.5
Portrayal of a cross-section of Indian life. This film about the tragedy of T.B. in an Indian family makes one realize the sor-

Unit Value

rows that might be avoided if the disease were taken care of in time. (Sr. High through Adult)

ANSWERING THE CHILD'S WHY (EBF)

13 minutes—sound $3.00 3
Dramatizes actual situations in which youngsters meet with positive or negative attitudes toward their questions, and suggests the resulting effect on their personalities. (Jr. High through Adult)

ANT CITY (ALMANAC)

11 minutes—sound $2.00 2
The complex society of ants is laid before our eyes. Their architecture, social and economic perfection, ability to organize and control their habits, work and detailed activities are revealed. (Primary through Adult)

ANTIBIOTICS (EBF)

14 minutes—sound—black and white $3.00 3
Provides basic understanding about a new and important weapon in man's fight against disease. Defines antibiotics and shows how they have been used successfully in medicine. Points up research in the development of antibiotics and calls attention to the mass production of penicillin. Also indicates use of antibiotics in animal husbandry and food preservation. (Jr. High through Adult)

ANTS (EBF)

11 minutes $2.00 2
Depicts the activities of four different types of ants—mound builders, black ants, household ants, and carpenter ants. Shows in detail the life cycle of the carpenter ant, including construction of the nest, laying of eggs, feeding of young, hatching, and preparations for swarming. Middle, Jr. High.

APACHE INDIAN (CORONET)

10 minutes—sound—color $4.00 4
The once war-like Apaches remain one of our most colorful tribes. Their ceremonies are little changed through the years, and through this film we attend the most exciting of them. We see the Apache demonstrate his magnificent horsemanship and his love of pageantry and display in tribal functions. It's the tribe of Geronimo—following a more peaceful path. (Primary through Adult)

APHIDS (EBF)

11 minutes—sound $2.00 2
This film deals with a very interesting creature. It shows that most aphids have no father or even grandfather. Some are born alive, while others hatch from eggs; only a few have wings. Ants keep them as cows, while the aphid itself secures its food in an unusual way. Animated drawings of the aphid's life cycle. (Elementary through College)

APPIAN WAY (AFFlms)

10 minutes—sound $1.50 1.5
A camera trip along the Appian Way in Italy shows E. R. P.

Unit Value

aid working in dozens of important ways, helping the Italians in their construction of a new and better Italy. (Sr. High through Adult)

APPRECIATING OUR PARENTS (CORONET)

10 minutes—sound $2.00 2

With more and more time now being devoted to developing good family relationships, this film can play an important role in any group activities. In a simple story it tells how a boy discovered how much his parents do for him each day. He sees, too, how he can help repay them through showing his appreciation and by doing his share of the family work.

APTITUDES AND OCCUPATIONS (CORONET)

16 minutes—sound $3.00 3

Discusses six of the fundamental human abilities—mechanical, clerical, social, musical, artistic and scholastic and indicates how a student may, with the aid of school counselor, determine much of each of these abilities he has. It also indicates broad fields in which certain combinations of abilities are required. (Sr. High and College)

ARABIAN CHILDREN (EBF)

15 minutes—sound $3.00 3

This film is about a family in the town of Saahab, Jordan. The father is a farmer, the mother is a housewife. They have two sons and a daughter. In the morning, the son delivers sheep to the village shepherd, the other helps his father water their fig trees before they go to school. Then, while father works in the field and the mother makes the daily bread, the daughter gets water for the family and helps her mother. At school the boys learn English. As soon as school is out, the boys play around, help with the evening chores, go home and they all have dinner. (Elementary)

ARCHERY FOR GIRLS (CORONET)

10 minutes—sound $2.00 2

One of the most ancient of human skills, archery today is a fascinating and healthful sport for people of all ages. With experts demonstrating, students learn the fundamental techniques of shooting: proper stance, nocking the arrow, the draw, the aim, and the loose. Stressing relaxation and practice, it is popular with beginners and experts alike. (High School through Adult)

ARCHIMEDES PRINCIPLE (EBF)

6 minutes—sound $2.00 2

Dramatizes the problem that led to Archimedes' famous experiments on buoyancy. Recreates Archimedes' experiments under conditions that show the development of his Principle, Demonstrates the use of the modern Archimedes Balance with the cup and cylinder apparatus. Demonstrates experimentally the measurement of the buoyant force of fluid upon an immersed solid. (High School chemistry)

Unit Value

ARE MANNERS IMPORTANT? (EBF)

11 minutes—sound—black and white $2.00 2
The film shows how good manners, defined as consideration for others, help people live together in a pleasant, enjoyable way. We see a boy holding a door open for an older man laden with bundles, a man helping a woman into a car, a boy going to the end of the line at the movies instead of trying to crowd ahead of others, and other examples which illustrate consideration for others. The film ends by specifically posing the question —"Are Manners Important?" (Elementary and Jr. High)

ARE OUR SCHOOLS UP TO DATE? (NCEA)

28 minutes—sound $1.50 1.5
A frank evaluation of America's school systems by authorities in positions to know. They attack such problems as student-teacher conflicts and inter-scholastic sports.

ARE YOU A GOOD CITIZEN? (CORONET)

10 minutes—sound $2.00 2
Mr. Heineman has just been chosen to preside over the "Citizenship Day" celebration. And in this ever-timely film story we discover why he is considered such a good citizen . . . we are introduced to a check-list of good citizenship essentials . . . we learn a new appreciation of the role of democratic institutions in our way of life. This film will challenge every viewer to check up on his own citizenship rating. (Elementary through Adult)

ARE YOU POPULAR? (CORONET)

10 minutes—sound $2.00 2
Contrasts Carolyn, attractive newcomer in high school, with Ginny, who is willing to date all the boys but is unpopular with both boys and girls. Shows how Carolyn and Wally are careful of their appearance, polite, considerate in arranging dates, business-like on the telephone, cooperative with parents, and always well mannered. (Junior High through Adult)

ARE YOU READY FOR MARRIAGE? (CORONET)

15 minutes—sound $3.00 3
"Is only *love* enough for marriage?" A young couple who want very much to get married discover what it really takes to be "ready for marriage." With the help of a church marriage counselor, they investigate their own relationship using his "Check-list For Cupid" and Marriage Development Board, which visualize the growing together of a couple before and during marriage with the achievement finally of paired unity. Church, social and educational groups will find this motion picture extremely useful in a variety of group and individual counseling situations. (Sr. High through Adult)

ARGENTINA—Horsemen of the Pampas (UWF)

20 minutes—sound $4.00 4
In this film we accompany the son of a gaucho, who with his father attends all the day's work of the cowhand and at nightfall enjoys a comfortable home with others of the family. Throughout these scenes of the people of the Pampas there is an ever mounting impression of the vastness of the level,

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stoneless and nearly treeless plain. There is an inescapable picture of the Great Plain's influence upon its people and its impact upon an entire nation. (Elementary through Adult)

ARGENTINA (People of the Pampa)

16 minutes $3.00 3

Rural and urban life in Argentina, contrasting the rich agricultural area of the pampa and the industrial, business and shipping center of Buenos Aires. Describes life and work on one of the great *estancias* devoted to the raising of livestock and the growing of such crops as wheat and flax. Includes a sequence on Buenos Aires. Middle, Jr. High, Sr. High, Adult.

ARIZONA AND ITS NATURAL RESOURCES (BM)

30 minutes—sound—color $1.50 1.5

This film illustrates the development of the rich mineral deposits and other great resources of the Grand Canyon State. Highlights the development of copper and other metal industries, tells how irrigation turned desert wastes into rich agricultural regions.

ART AND LIFE IN ITALY (CORONET)

10 minutes—sound—color $4.00 4

In this exciting overview of 2,000 years, students will see the art of Italy as the result of the activities of the Italian people in the land in which they live. They will stand on the streets of Florence, walk past the "Gates of Paradise" by Ghiberti, go into the Arena chapel in Padua to see Giotto's frescoes and view other historic Italian monuments and works of art. (Jr. High through Adult)

ART IN ACTION SERIES (EBF)

Color

6 minutes—sound—color $2.00 2

In this film, children will explore new wonders of color in nature, in pigments, in yarn, clay, wood, and other art materials. Avoiding formal color harmonies, the film stimulates interest in experimentation, encourages children to "put" colors together in your own way. Makes them say what you want them to say. (Primary and Elementary)

Form

6 minutes—sound—color $2.00 2

The character of an object is revealed through its form. Young viewers, identifying themselves with the children in the film will enjoy playing the "What Is It" game with forms that have a name. Exploring the many different shapes to be found among everyday objects will create an awareness of the importance of form in the structure of art. (Primary and Elementary)

Line

6 minutes—sound—color $2.00 2

Variations in the qualities of lines may be found in nature—in lines on rocks, in lines on the back of a tiger, and in the trail lines made by a snail. Combining imaginative photography with animation, this film clarifies line movements and suggests to children the creative possibilities of materials such as thread, rope, and wire as well as paint, chalk, and crayon. (Primary and Elementary)

Unit Value

Texture

6 minutes—sound—color $2.00 2
The exploration of surfaces—hard, rough, soft, and smooth—provides a tangible approach to understanding textural qualities in art. Visual examples in the film will give youngsters a new appreciation of the textural effects which can be achieved with clay, metals, paper, linoleum, and other art materials. (Primary and Elementary)

Light and Dark

6 minutes—sound—color $2.00 2
In this film, striking camera studies in light, shadow, and gradations of color illustrate the meaning of values in art. Children are encouraged to find out, by experimentation with light and dark objects, what value is, what it does, and how it makes them feel. (Primary and Elementary)

WHAT IS ART?

6 minutes—sound—color $2.00 2
A vivid parade of all the elements of art—color, line, texture, form, light and dark. (Primary, Middle)

ARTERIES OF LIFE (Living Earth Series) (EBF)

10 minutes—sound—color $4.00 4
Points out the importance of water in providing topsoil with necessary moisture, and of forests in storing and regulating the flow of water over large areas. Clearly explains the water cycle and the water table, and describes nature's method of distributing life-giving water from forested areas, through the soil, into streams, and thence to drier areas miles away. (Jr. and Sr. High)

ARTERIES OF NEW YORK CITY

10 minutes—sound $2.00 2
Clarifies elements which influence the development of a city's transportation facilities, including the distribution of residential and business sections; the daily flow of people; transportation planning; subway, suburban train, ferry, bus, and automobile traffic systems; and police regulation. (Elementary through Sr. High)

ARTIFICIAL RESPIRATION (Seminar)

6 minutes—sound $2.00 2
A demonstration of the new back-pressure arm lift method of artificial respiration which has been adopted by many national organizations teaching first aid. Each step and the reasons for it is illustrated on an unconscious individual. (Jr. High through Adult)

ARTS AND CRAFTS OF MEXICO (EBF)

10 minutes—sound $2.00 2
In the fascinating background of Old Mexico, native craftsmen are shown in their home workshops. Spinning sheep's wool, the weaving of serapes (sleeveless coat-like blankets), basket-making, glass blowing, and pottery-making, each are treated in detail. (Elementary through Sr. High)

Unit Value

ASSASSINATION OF JULIUS CAESAR, THE (YA)

27 minutes $4.00 4
March 15, 44 B.C., Rome and the assassination of Caesar, portraying an event which sheds light on great personalities and foreshadows a change in the world of that day. (Junior High through Adult)

ASSIGNMENT VENEZUELA

27 minutes—sound—color $1.50 1.5
This film follows an employee of the Creole Oil Company who has just been assigned to the Maracaibo oil fields in Venezuela. Takes the employee on a tour of some of the major cities where he sees many ultra-modern architectural structures which indicate the prosperity that the oil industry has brought Venezuela. Points out community integration project which Creole Oil Company is attempting. (Jr. High thru Adult)

ATMOSPHERE AND ITS CIRCULATION (EBF)

11 minutes—sound $2.00 2
The first part of the film gives a detailed presentation of the structure; the chemical composition; the gaseous nature; the distribution of air, the weight of air, altitude and pressure and temperature. The second sequence shows the circulation of the atmosphere as it would appear on an idealized globe without mountains or oceans. The circulation is explained in terms of the pressure bands surrounding the earth. The actual circulation or wind movements as affected by the earth's rotation is described in detail for winds near the surface and for winds aloft. (Jr. High through College)

ATMOSPHERIC PRESSURE (EBF)

11 minutes $2.00 2
(With the Magdeburg Experiment) Develops concepts about atmospheric pressure by recreating the problems and discoveries of Von Guericke, Torricelli, and Viviani. Authentically re-enacts the famous Madgeburg Experiment. Shows modern applications of air pressure. (Jr. High, Sr. High)

ATOM AND BIOLOGICAL SCIENCE (EBF)

12 minutes—sound—black and white $2.00 2
Describes some of the biological effects of high energy radiations on plants and animal cells. Explains how typical experiments are conducted and demonstrates some of the protective measures required to insure the safety of the experimenters. Points out some possible applications of nuclear radiation to problems of human health, emphasizing work already underway in the study of cancer. (High School) (Physical Science and Adult Education)

ATOM AND INDUSTRY (EBF)

11 minutes—sound $2.00 2
Reveals how radioisotopes are providing new techniques of measurement and quality control in a wide variety of industries. Indicates how radiation is becoming a symbol of new procedures in factories and laboratories and how workers are learning to handle radioactive materials safely. Examines the

Unit Value

problem of "atomic energy for industry." (High School Physical Science and Adult)

ATOM AND MEDICINE (EBF)

12 minutes—sound—black and white $2.00 2
Demonstrates how, by taking radioiodine internally, one man's condition was diagnosed and cured. Describes the important role of radioisotopes in hospitals, clinics, and doctors' offices. Clarifies misconceptions about the handling, dosage, and alleged dangers of radioisotope diagnosis and therapy. Shows the respect with which radiation must be treated and reveals some of the instruments and devices used to handle it. (Jr. High through Adult) (Hygiene)

ATOM SMASHERS (EBF)

12 minutes—sound—black and white $2.00 2
Describes how scientists are developing machines and techniques for the production and use of nuclear radiation in many fields. Calls attention to the importance of accelerators—particularly the cyclotron—and their contribution to nuclear research. Illustrates how the products of "atom smashing" are identified, and demonstrates measures taken against the dangers inherent in this research. (High School Physical Science and Adult)

ATOMIC ALERT (EBF)

10 minutes—sound $2.00 2
Illustrates the basic methods by which each child can best protect himself and others from the effects of an atomic bomb explosion whether he is at home, at school, or on the street. (Primary and Elementary)

ATOM AND BIOLOGICAL SCIENCE (EBF)

12 minutes—sound—black and white $2.00 2
Describes some of the biological effects of high energy radiations on plants and animal cells. Explains how typical experiments are conducted and demonstrates some of the protective measures required to insure the safety of the experimenters. Points out some possible applications of nuclear radiation to problems of human health, emphasizing work already underway in the study of cancer. (High School) (Physical Science and Adult Education)

ATOMIC ENERGY (EBF)

10 minutes—sound $2.00 2
Animated drawings explain parts and structure, the mass-energy relationship, and three ways of releasing atomic energy; nuclear synthesis, natural, radio-activity, and nuclear fission. The distinction between atomic energy and chemical energy is grahpically explained and exemplified. Actual scenes of atomic bomb explosion are included. (College and Adult)

ATOMIC POWER (MOT)

19 minutes—sound $2.00 2
The film takes you back to 1905 when Einstein proved on paper that matter can be converted into energy, and unfolds the story of atomic power. It not only gives the facts and figures but in each of the re-enacted scenes are the actual scientists who per-

Unit Value

formed the original experiments: Lise Meitner, Enrico Fermi, Albert Einstein, and others of equal importance. Shows the men who fathered the revolutionary weapon now leading a vigorous campaign to impress upon the U. S. public its full meaning. (Sr. High through College)

ATOMIC RADIATION (EBF)

12 minutes—sound—black and white $2.00 2

Explains fundamentals of atomic radiation: the dramatic story of its discovery, what it is and does, and why it should be respected rather than feared. Describes how it has been possible to reproduce in the laboratory some of the forms of radiation found in nature. Explains the roles of alpha, beta, gamma, and neutron particles in radioisotope research. (High School Physical Science and Adult)

ATTITUDES AND HEALTH

10 minutes—sound $2.00 2

Mary Baker didn't make the basketball team. Alice was actually ill because she failed to get an expected promotion. The situation seemed hopeless until they learned that wrong attitudes prevent the individual from doing his best, and can even cause physical illness. How self-confidence and right attitudes are vital to good health is demonstrated here. (Jr. High through Adult)

ATTRACTIONS OF THE SOUTHERN HIGHLANDS (Hugh Morton)

14 minutes—sound—color $1.50 1.5

This film shows the Rogers family visiting the Southern Highlands, a mountainous wonderland in North Carolina, Virginia and Tennessee. The trip starts at Luray Caverns, Natural Bridge, and Barter Theater in Abbingdon, Va., then into Blowing Rock, N. C. On to see Tweetsie, Grandfather Mountain, Mt. Mitchell, Chimney Rock. From Asheville's Biltmore House and gardens to Fontana, Cherokee, Clingman's Dome and the sky lift at Gatlinburg. The trip ends Ruby Falls, Lookout Mountain and Rock City. (All ages)

THE AUDIO-VISUAL SUPERVISOR (IFB)

18 minutes—sound—color $5.00 5

The audio-visual department's day-by-day objectives and responsibilities and the supervisor's tasks are shown. We observe the need to acquaint new teachers with available A-V materials; to train students in the proper operation of equipment; to keep abreast of developments; and, with teacher committees, to evaluate and consider for purchase new filmstrips, tapes and motion pictures.

AUSTRALIA (EBF)

10 minutes—sound $2.00 2

A comprehensive and authentic survey of the geographic, economic, and social factors characterizing Australia today. Contrasts urban and industrial concentration in East and Southeast with slower development in arid central and western areas. Describes Australia's principal exports and imports and reveals a modern and progressive society maintaining strong economic and social ties with the motherland, Great Britain. (Elementary, Junior and Senior High)

Unit Value

AUSTRALIA—Sheep Ranch Country (UWF)

20 minutes—sound $4.00 4
Demonstrates that pastoral industries (with sheep dominating) and wheat farming are well suited to semi-arid lands which are sparsely populated and isolated from markets. This principle is shown to apply to Australia, where economy is dependent upon foreign trade with sheep products, wheat and flour the most important exports. Because the country is so dependent upon trade many people live in a few large seaports. Some manufacturing is carried on, based on local raw materials and protected home markets. Presents the contrast between the mode of life of the industrial centers where the growing steel and textile industries are being developed. (Elementary through Adult)

AUTOMATION IN AIR TRAFFIC CONTROL (RR)

11 minutes—sound—color $1.50 1.5
A description of the enormously complex system used to guide air traffic. Computers are shown, and their functions are explained. (High Sch. thru Adult)

AUTUMN ON THE FARM (EBF)

11 minutes—sound—color $4.00 4
In this charming color film, two farm children observe the changes that take place in plant and animal life during autumn. Joan and Jerry become interested in such fall activities as apple and corn harvesting, grape picking, nut gathering, the hibernation of animals, and the migration of wild ducks. (Primary through Jr. High)

AVALON HOLIDAY (NFBC)

15 minutes—sound—color $1.50 1.5
On the Avalon Peninsula, history and beauty vie for the visitor's attention. Saint John's, the capital of Newfoundland and one of the oldest cities in the "New World," is the starting point of our tour of this land of quaint villages in which the old and new are pleasantly intermingled.

AWAY FROM IT ALL (NFBC)

15 minutes—sound—color $1.50 1.5
This film introduces you to the newest addition and most easterly link of the chain—Terra Nova Park, Newfoundland, facing beautiful Bonnavista Bay and commanding sweeping views of the Atlantic. Through this film you see the purpose, planning and dimensions of the parks system.

AZTECS, THE (CORONET)

10 minutes—color—sound $4.00 4
Reconstructing some of the most significant characteristics of pre-Aztec and Aztec civilization, the film explores notable ruins, carvings, and murals which depict this culture. Religion is found to have played an important role in the lives of the Aztec people, and the re-enactment at Teotihuacan of a religious ceremony, as it might have been performed in 1500, contributes further to an understanding of the Aztec civilization. (Intermediate, Junior High, Senior High, College)

Unit Value

BABY ANIMALS (YA)

10 minutes—sound $2.00 2
A film dealing with animals and their young. Introduces and explains such concepts as degree and nature of parental care, resemblance to parents, general growth pattern, variation in ability to care for selves, and the fact some baby animals are hatched from eggs and others born from the body of the mother. (Primary and Elementary)

BABY'S DAY AT TWELVE WEEKS (EBF)

10 minutes—sound $2.00 2
The infant is followed through his domestic day from the time of his waking at six o'clock in the morning until the final breast feeding at ten o'clock at night. His dressing, bathing, feeding, daytime naps, play, and general care are presented. An interpretation of the significance of his various reactions is offered. Sr. High through Adult)

BACK THE ATTACK ON BRUCELLOSIS (USDA)

30 minutes—sound—color $1.50 1.5
Shows the area program for the eradication of brucellosis. Explains how the brucellosis ring test works. Includes measures for beef, swine and goats. (High Sch.—Adult)

BACKFIRE (PrincetonFlmCtr)

15 minutes—sound $3.00 3
An economics teacher poses the question to his pupils and neighbors: Should men receive rewards in proportion to their investment in enterprise or was Karl Marx right in his theory or "from each according to his ability, to each according to his need?" The teacher illustrates the democratic way with an effective classroom demonstration. (Jr. High through Adult)

BACKWARD CIVILIZATION (EBF)

21 minutes—sound $3.00 3
A survey of life among the Berber tribe in Northern Africa, an excellent example of the stagnation which accompanies isolation of peoples. Every significant aspect of the daily life of these peoples is shown, drawing effective contrast between the phenomena of an environment of scarcity through isolation and our modern environment of plenty through communication and interdependence. (Jr. High through College)

BACTERIA—FRIEND AND FOE (EBF)

11 minutes—sound—color $4.00 4
Bacteria are growing plants, but they are not green like the plants we ordinarily see. Some are responsible for helping produce flavor in foods, while others may spoil foods. Some help disintegrate dead plants and animals, others produce chemicals called antibiotics that help fight disease. Some bacteria are beneficial to man, some are harmful, and still others are harmless. Without bacteria, life as we know it would be impossible. (High School and Adult) (Bacteriology and Health and Hygiene)

Unit Value

BACTERIAL GENETICS: CLONES

30 minutes—sound $5.00 5
Lecture on Bacteria Genetics: Clones by Dr. J. Lederberg. (College)

BACTERIAL GENETICS: GENETIC TRANSDUCTION

30 minutes—sound $5.00 5
Lecture by Dr. J. Lederberg. (College)

BACTERIAL GENETICS: SEXUAL REPRODUCTION

30 minutes—sound $5.00 5
Lecture by Dr. J. Lederberg. (College)

BADMINTON FUNDAMENTALS (CORONET)

10 minutes—sound $2.00 2
Fundamental skills and rules of badminton are demonstrated in this film by both expert and novice players. Slow-motion sequences and animation are used to make more clear the techniques of this popular game. Scenes of fast, expert professional play provide motivation for further study. (Jr. High through Adult)

BALANCED AQUARIUM (EBF)

11 minutes—sound $2.00 2
Susan and Fred follow directions carefully in setting up their home aquarium. Because they allow for the needs and interdependence of various kinds of fish and green plants, the result is a beautiful and absorbing example of the balance in nature. Primary, Middle.

BALL HANDLING IN BASKETBALL (EBF)

10 minutes—sound $2.00 2
Wilbur Johns, Basketball Coach, U.C.L.A., shows the fundamentals of ball handling, stance, grip, "feel" of the ball, fingertip control, adjustment before shooting, catching the ball and how to meet passes. Presents game shots to illustrate all points, uses slow and stop motion as well as animation to illustrate point up action. (Jr. High through Adult)

BALL HANDLING IN FOOTBALL

10 minutes—sound $2.00 2
Andrew Kerr, Football Coach, Colgate University, teaches fundamentals of ball handling; stance, grip, "feel" of the ball, fingertip control, adjustment before throwing or kicking, receiving passes from the center or from your own back, catching passes and punts, ways of carrying the ball and changing from one hand to another. Presents game shots, slow motion and stop motion techniques, and optical treatment with superimposed animation to illustrate principles. (Jr. High through Adult)

BALLAD OF THE WEST (EBF)

16 minutes—sound—black and white $3.00 3
Based on a series of western folk tunes and cowboy songs, this film tells the story of a cowboy's longing to have his own herd and brand and to be his own boss. Photographed against the background of Arizona's Wickenburg and Hot Springs, the story

Unit Value

revolves around the popular ballad The Chisholm Trail. (All ages) (General Interest)

BANFF AND LAKE LOUISE (NFBC)

14 minutes—sound—color $1.50 1.5
Canadian Pacific's new luxury train, "The Canadian," takes visitors to a land of enchantment in the Bow River Valley. At the vacation resorts of Banff and Lake Louise they discover the sort of enjoyment to be found only in the midst of the majestic splendor of the Canadian Rockies. Breath-taking views along the highway to Lake Louise build up to the scenic climax in which the Chateau itself is set.

BANNISTER WINS THE MILE RUN (YA)

27½ minutes—sound $4.00 4
The occasion is the Fifth British and Empire Commonwealth Games and the main event the "Dream Mile" race between Dr. Roger Bannister of England and John Landy of Australia, both of whom had previously broken the four-minute barrier. We learn that both men will give up track, Bannister to begin internship, Landy to teach science. Then the "Dream Mile" gets underway and Bannister wins in 3:58.8. (Junior High through Adult)

BASE AND PLACE (Ind. U.)

27 minutes—sound $5.00 5
Presents the characteristics, history, and applications of the binary system. Through this system, emphasizes the basic principles of base and place in our system of numeration. Shows how numbers are represented in the binary system and its relationship to electronic digital computers. Demonstrates the importance of base and place in our number system. (College and Adult)

BASEBALL-BY-THE-CODE (OSFS)

25 minutes—sound ..... $2.00 per day
This film illustrates and explains the importance of playing by the rules of the game. High School, college, and professional players demonstrate the various play situations. Explanations of some of the more technical rules are included. (Junior High to Adult)

BASEBALL FOR MILLIONS (IHSA)

28 minutes—sound ..... $2.00 per day
A Big League Manager and an outstanding student of the game narrate play situations covering the official interpretation of basic rules of batting, pitching, base running and fielding. Recommended for use by officials, coaches and players as well as fans. (Jr., Sr. High, Col. & Adult)

BASEBALL ROOKIE (MOT)

25 minutes—sound $1.50 1.5
Follows rookie outfielder Jim Lemon through the 1953 Spring training camp of the Cleveland Indians. The film depicts the various drills, batting and fielding practices, ending in an intra-squad game showing the various stars of the Indian roster.

Unit Value

BASEBALL TODAY (OSFS)

25 minutes—sound ..... $2.00 per day
Play situations demonstrating proper pitching procedure, rights and limitations of the catcher, basemen, fielders, batter, runner and coaches. Correct rulings on balk, interference by catcher, batter, runner, fielder and infield flies. (Jr. High through Adult)

BASIC COURT PROCEDURES (CORONET)

15 minutes—sound $2.00 2
Two high school students learn from a practicing lawyer the function of the courts and how our law operates. In the development of a "criminal case," many specialized legal terms are clearly defined and the audience sees the roles played by the various courtroom figures. The film teaches not only the function of the courts, but the place of the judicial system in a democracy. (Jr. High through Adult)

BASIC FIBERS IN CLOTH (CORONET)

10 minutes—sound $2.00 2
Through this film students can actually compare fibers and filaments under the movie microscope . . . for strength, length, absorptive power, elasticity, heat conductivity, cleanliness and washability. As we point out the relationship between these characteristics and each home use of cloth, every student judges basic cloth fibers. More intelligent buying of cloths will result from study of this film. (Jr. High through Adult)

BASIC TECHNIQUE FOR HOME LANDSCAPING (USDA)

11½ minutes—sound—color $1.50 1.5
Designed as a general interest film for use by garden clubs, in civic groups, schools, youth groups, such as home economics extension clubs, 4-H or FFA, meetings of homeowners, homebuilders or professional nurserymen.

BASKETBALL FOR MILLIONS (IHSA)

27 minutes—sound ..... $2.00 per day
A fantastic dream sequence is the continuity thread throughout the film to depict: accepted officiating procedures, problems created by double fouls and faults double fouls, tricky situations connected with front and back court, jumpball infractions and procedures. (Jr., Sr. High, Col. Adult)

BATTING (CORONET)

10 minutes—sound—b&w $2.00 2
10 minutes—sound—color $4.00 4
This film covers, in slow motion shots, the important techniques of baseball-batting from the selection of the bat, stance, grip, and follow-through strike. (Jr. High through Adult)

BATTING STARS OF BASEBALL (ANL)

18 minutes—sound $4.00 4
Covers the more important fundamentals of batting in slow motion by established major league stars. (Inter., Junior High thru Adult)

Unit Value

BATTLE OF BRITAIN (McGRAW-HILL)

28 minutes—sound $5.00 5
The story of the gallant defense of the British Isles by RAF fighter pilots in 1941, narrated by Michael Redgrave and featuring portions of recorded speeches by Sir Winston Churchill.

THE BATTLE OF YORKTOWN (EBF)

13 minutes—sound $3.00 3
Describes the events which led to the decisive battle of the American Revolution at Yorktown, and shows the battle itself in detail. The film shows Washington's skill as a leader and his tact in dealing with America's French allies, and indicates the importance of France in contributing to American victory. (Middle, Jr. High, Sr. High)

BEACH AND SEA ANIMALS (EBF)

10 minutes—sound $2.00 2
A survey of typical beach and sea animals, their habitats and activities, shown in their respective environment by underwater closeups. Special consideration is given to their methods of self-protection and inter-relationships. (Elementary through College)

BEAR AND ITS RELATIVES (CORONET)

16 minutes—sound $3.00 3
Clear and interesting shots of the raccoon, the panda, kodiak bear, polar bear, the grizzly and the American black bear. Close-ups are given of teeth, hoofs, and ways of eating. (Primary and Elementary)

BEAUTIFUL BONNE BAY (NFBC)

14 minutes—color—sound $1.50 1.5
This film offers an enticing invitation to the good sport and restful atmosphere of Bonne Bay on the Western shore of Newfoundland. It opens with picturesque scenes of harbor activities, with fishing ships of every nation ranged side by side. Views of the harbor merge into the more pastoral scenes of the shore and the profusion of flowers which spread their colors over the countryside. Accessible both by water and by branch roads of the Trans-Canada Highway, Bonne Bay deserves a place on everyone's Newfoundland itinerary. (Elem. thru Adult)

BEETLES (EBF)

10 minutes—sound $2.00 2
Studies of the egg, larva, pupa, and adult stages of the Tiger, Japanese and Ladybird beetles in their various habitats. Spread of the Japanese beetle is traced together with experimental methods for its control. (Jr. High through College)

BEGINNING RESPONSIBILITY—Taking Care of Things (CORONET)

10 minutes—sound $2.00 2
As a persuasive means of interesting children in the importance of taking care of their belongings, this film answers a need long expressed by parents and teachers. It explains how and why children should care for things at school and at home. Importance is placed on having definite places to keep things, of putting

Unit Value

articles back where they belong, of cleaning up after play time and storing and handling things properly to prevent accidents or damage. In using this film, many basic needs and desires of the child are answered . . . making it of double value as instructional material. (Primary)

BEGINNING SWIMMING (CORONET)

10 minutes—sound $2.00 2
Through scenes photographed both above and beneath the surface of the water, basic techniques of swimming for beginners are demonstrated. Land and water drills involving kicking, breathing, floating and paddling. (Intermediate through Senior High)

BEGINNING TO DATE

12 minutes—sound—black and white $2.00 2
Dramatizes one of the most important periods in the lives of young teen-agers, with effective illustrations of right and wrong approaches to dating. Offers special help to the timid student, whose shyness creates a barrier to dating—and demonstrates basic rules for conduct on a date. Points out that these rules are based on consideration for others. (Jr. High) (Personal Guidance)

BEGINNING TUMBLING (CORONET)

10 minutes—sound $2.00 2
Presents the two basic progressions in tumbling—the inverted balance and roll progressions. Accompanying demonstrations of flips, rolls and stands emphasize skillful execution and give students the foundation for performing each stunt. (Junior & Senior High)

BEGINNINGS AND GROWTH OF INDUSTRIAL AMERICA

11 minutes—sound $2.00 2
Discussing social and economic changes between 1790 and 1860, the film shows the development of American manufacturing from a system of home crafts to an industrialized factory system. The factors which contributed to this change and growth are explained. (Intermediate, Junior High, Senior High)

BEGINNINGS OF HISTORY (IFB)

42 minutes—sound $5.00 5
The pre-history of Great Britain, from the ice age to the coming of the Romans. Shows how the area was originally part of the mainland, but after the ice retreated, it became an island. The paleolithic and neolithic cultures, with tools of stone and bone, were followed by the bronze age. Successive waves of invaders and settlers swept over the island, culminating in the Celts. A reconstructed Celtic farm shows how the people lived at the time of the Roman invasion. (Jr. High through College)

BEHAVIOR DAY AT FORTY-EIGHT WEEKS (EBF)

10 minutes—sound $2.00 2
Wholesome methods of child care are portrayed in numerous situations, including the administration of cod liver oil and orange juice, the bath, dressing, feeding, elimination, floor play and daytime naps and sleep. Emphasis is placed upon the psy-

Unit Value

chological implications and the educational significance of the infant's everyday experiences. (Jr. High through Adult)

BEHAVIOR OF GASES (PSSC)

15 minutes—sound $5.00 5

The Brownian motion of smoke particles is shown by photomicrography and compared with a mechanical analogue. This evidence for molecules in chaotic motion is contrasted with the orderly behavior of gases as shown by Boyle's Law experiment. Animation is then used to develop a model for gas pressure based on chaotic molecular motion. (High School)

BEHAVIOR PATTERNS AT ONE YEAR (EBF)

10 minutes—sound $2.00 2

Portrays the behavior patterns of a normal infant fifty-two weeks of age. The baby's manipulation and other reactions to one, two, three and ten cubes are interpreted and discussed by the narrator. Continues with the study of other test situations involving a cup and spoon, cup and cubes, pellet, pellet and bottle, ball, ring and string, paper and crayon, a performance box and a form board. (Sr. High through Adult)

BEHIND THE WHEEL (GM)

30 minutes—sound $1.50 1.5

Explains the many rules and regulations which must be observed and understood before expert driving ability can be achieved. (Jr. High through Adult)

BELGIUM AND THE NETHERLANDS: LANDS AND PEOPLES (CORONET)

10 minutes—color—sound $4.00 4

In presenting an overview of the Netherlands and Belgium, their relationship to one another and their neighbors, and the major ways in which their economy is related to environment, the film shows how easy access to the North Sea and many waterways help to make Belgium and the Netherlands "the trading workshops of Europe." Other significant characteristics of these countries—low lands, small size, dense population, and large coal resources—are shown in relation to the activities of the people.

BENEFITS OF LOOKING AHEAD (CORONET)

10 minutes—sound $3.00 3

A sound understanding of the importance of thinking seriously about the future and doing something about it is developed by this production. By encouraging students to look ahead to the kind of life they will want, the film helps them to think constructively about immediate problems and work toward achieving that life. It explains that planning needs a long-range view divided into shorter range objectives. Even though plans may change, they are still important and necessary to reaching tomorrow's goals. Church groups as well as school guidance classes will find a great amount of valuable material in this film. (Jr. High through Adult)

BETTER BASKETBALL (OSFS)

30 minutes—sound ..... $2.00 per day

Demonstrates original rules and current rules—portrays good

Unit Value

officiating procedure—continuing motion—time limits—responsibility during screens and dribbles—basket interference, etc.

BETTER FISHING (NCDC)

30 minutes—sound—color $1.50 1.5
A film to show what North Carolina, the nation's fourth largest in water supply, can do to make the state's fishermen catch more and bigger fish with each fishing trip. (All ages)

BETTER FOOTBALL

30 minutes—sound—black and white ..... $2.00 per day
Play situations illustrating football rules. Scenes are frozen, suspending action permitting audience to follow official's decision. Suitable for coaches and officials, school assemblies, football study groups, service clubs and athletic banquets. (Jr. High through Adult)

BETTER READING (EBF)

13 minutes—sound—black and white $2.00 2
Reveals the problems confronting the slow reader and suggests ways in which these problems can be met and solved. Tells the story of an intelligent high school boy whose work suffers from his slow reading habits. Portrays the methods used by a reading clinic in helping him to increase his reading speed and understanding, and to enlarge his vocabulary. (High School) (Remedial Reading Classes—Teacher Training)

BETTER TOMORROW (UWF)

24 minutes—sound $2.00 2
Focuses upon the importance of education in a democracy and shows the activities of children and youth in the New York City Public Schools, emphasizing the facilities and opportunities open to everyone. Education is the key to "a better tomorrow." (Jr. High through Adult)

BETTER USE OF LEISURE TIME (CORONET)

10 minutes—sound $2.00 2
There are many leisure-time activities both interesting and educational that are open to young people. This film serves as a helpful guide in developing a constructive attitude about leisure time. It shows how time can be used constructively through a self-planned program of leisure time activities. (Jr. and Sr. High)

BEYOND URANIUM (Ind. U.)

29 minutes—sound $5.00 5
Dr. Seaborg and his associates outline the discovery of the first six elements beyond uranium. Dr. Edwin M. McMillan describes his of Neptunium, the first trans-uranium element. Outlines the changes needed in the Periodic Table to accommodate new elements. Shows the miniature chemical equipment and techniques used to work with the amounts of plutonium which resulted in its separation. Dr. Bernard C. Harvey demonstrates a chain reaction and explains the operation of an atomic power plant.

Unit Value

BIG ANIMALS OF AFRICA (EBF)

10 minutes $2.00 2
Pictures many of the larger animals of Africa, explaining how they live together. Shows interesting examples of protective coloring. Included are the zebra, giraffe, wildebeest, lion, elephant, rhinoceros, hippopotamus, ostrich, flamingo, and many others. (Primary, Middle)

BIG COUNTRY, BIG FISH (NFBC)

13 minutes—sound—color $1.50 1.5
In the God's Lake country of northern Manitoba, fishermen find no room for modesty as they discover the kind of sport this scenic winterland provides. Here the "ones that get away" are not the big ones but undersize fish voluntarily returned to water by the fiisherman who caught them. This film follows a party of fishermen as they reap the rewards of venturing far beyond the more frequented fishing areas and pull up giant size catches of trout, pike, pickerel, and walleye.

BIG LAND ANIMALS OF NORTH AMERICA

11 minutes—sound $2.00 2
Identifies several large wild animals such as the moose, elk, bison, bear, and deer and calls attention to their distinguishing characteristics. Describes their relationships to each other and to their environment. (Primary, Middle)

BIG NUMBERS (Ind. U.)

27 minutes—sound $5.00 5
Demonstrates how scientists and mathematicians write and use very large and very small numbers. Stresses the meaning and importance of exponents and powers and shows some of their uses. Presents and demonstrates exponents and scientific notation as an easy way of writing and computing with large numbers. Explains negative exponents and demonstrates how very small numbers are written and used.

BIG TRAINS ROLLING (ASSN AM RR)

20 minutes—sound—color $2.00 2
A history of the railroad in the United States: its growth with the nation and its contributions to freight and passenger transportation, with emphasis on the modern era. (Jr. High through Adult)

BIG WHITE WATER (NFBC)

9 minutes—color $1.50 1.5
One of the most photogenic rivers in Canada is the Manouane, tributary of the Peribonca River which flows into Lake St. John in the wilderness of northern Quebec. Cameras explore the scenic turbulence of the river and join a group of fishermen who navigate it in canoes, racing through churning rapids and slanting falls—a perilous venture were it not for the Indian guides. (Elementary thru Adult)

BILL OF RIGHTS OF THE UNITED STATES, THE (EBF)

16 minutes—sound $3.00 3
The first ten amendments to the Constitution are the specific

Unit Value

guarantees which history, contemporary events, and the temper of men's minds and marked as vital safeguards of personal freedom. (Junior and Senior High)

BILLY AND NANNY

10 minutes—sound $2.00 2
Two kids are followed from birth until they are about two months old in play and in mischief. The interesting life of goats and kids; care and feeding, and milking are explained. Old Billy goat has been taught to pull a wagon, and Johnny drives Billy to deliver milk in the village. (Primary through Jr. High)

BIOCHEMICAL GENETICS I

30 minutes—sound $5.00 5
Lecture by Dr. G. W. Beadle. (College)

BIOCHEMICAL GENETICS II

30 minutes—sound $5.00 5
Lecture by Dr. G. W. Beadle. (College)

BIOCHEMICAL GENETICS (AIBS)

28 minutes—sound—color $5.00 5
Guest Lecturer—Dr. D. R. Stadler, University of Washington. Explores the field of bio chemical genetics. Examines the life cycle of neurospora, shows how single gene mutation can block chemical reactions. Describes the discovery and construction of the DNA molecule.

BIOCHEMICAL ORIGIN OF TERRESTRIAL LIFE

30 minutes—sound $5.00 5
Lecture by Dr. J. Lederberg. (College)

BIOGRAPHY OF THE UNBORN (EBF)

17 minutes—sound $3.00 3
Traces the creation of life from the moment of fertilization to the moment when the infant begins independent life. In photomicrography, animation, live photography, and X-rays the film records the development of the embryo and the fetus in the mother's womb. (Sr. High, College, Adult)

BIOLOGY PLUS (University of Ill.)

40 minutes—sound—color $8.00 8
Tells the story of a high school biology class in which the instructor stresses the experiment-approach to the study of science. This is accomplished by letting the students choose a particular plant or animal to find as much as he can about during the course. (High School)

BIRD HOMES (EBF)

11 minutes—sound $2.00 2
Offers a fascinating look at different kinds of bird homes, the habitats in which they can be found, and the types of materials used in nest building. We see that the basic plan for a nest is a cup-shaped hollow or structure and that it may be as simple as a small depression scratched in the ground, or as neat as the

Unit Value

structure of fine materials built by the warbler. (Primary, Middle)

BIRDS ARE INTERESTING (EBF)

10 minutes—sound—color $4.00 4
Colorfully presents some of the basic biological concepts concerning birds. Provides a systematic analysis of birds by classifying them under three categories—swimming and wading bird of prey, and perching bird. Contrasts such features as bills, feet, and wings to characterize each type. Birds depicted, in dramatic color photography, include hawks, owls, ducks, pelicans, canaries, and domestic chickens. (Elementary)

BIRDS IN WINTER (CORONET)

10 minutes—sound $2.00 2
Winter days are fine ones for students to get acquainted with such birds as the c h i c a d e e, nuthatch, woodpecker, junco, cardinal, English sparrow, starling and even the robin. This film shows how to use a feeding station to attract these birds and how to recognize them when they appear. Pupils will see the seasonal aspect of bird life, the interdependence of living things and the food-getting adaptations of birds in winter. (Primary through Adult)

BIRDS OF PREY (EBF)

11 minutes—sound $2.00 2
Several common species belonging to the group of birds of prey are presented in this film. Among them are the turkey vulture, black vulture, marsh hawk, red-tailed hawk, rough-legged hawk, bald eagle, sparrow hawk, and the owl family. These birds are shown in their natural habitats, and pursuing their characteristic activities. Typical calls and sounds are presented as the occasion demands. (Elementary through College)

BIRDS OF THE DOORYARD (CORONET)

10 minutes—color—sound $4.00 4
Right in our own backyard we find these birds, but it takes the telescopic lens of the color camera to discover the details of their private lives. Here we see them in their favorite nesting places and learn to recognize each one. Cast of characters includes the white-throated sparrow, robin, bronzed grackle, house wren, yellow warbler, and purple martin. (Primary, Intermediate, Junior High)

BIRDS OF THE SEASHORE (NFBC)

11 minutes—sound—color $1.50 1.5
A close camera-eye view of the water birds of Canada's east coast—their habits, breeding grounds, peculiarities and distinguishing marks. We see haughty and immaculately plumed herring gulls in flight and nesting in colonies, the bustling activity of the gannet colony on Bonaventure Island, eider ducks riding the waves of the St. Lawrence estuary and lining their nests, and the elegant great blue heron swooping through the air. Other scenes feature the activities of the black guillemot, the razorbilled auk and the cormorant, who spend their lives on the North Atlantic coast. Throughout the film many bird calls are heard.

Unit Value

BIRDS OF THE WOODLANDS (CORONET)

10 minutes—sound—color $4.00 4
Some of the most fascinating birds are those of the woodlands. Here is the flicker, living in his home drilled in the trunk of a tree; the redstart cobwebbing her nest—the purple finch perching his penthouse in a forty foot pine while the overbird conservatively builds on the ground. The film shows, too, the black-billed cuckoo, long-tailed, appealing awkward bird of questionable reputation. (Primary through Adult)

BIRTH OF THE SOIL (Living Earth Series) (EBF)

10 minutes—sound—color $4.00 4
Reveals how man's very survival depends upon a few inches of topsoil which only nature can manufacture—over a period of many centuries. Explains, with scientific accuracy, the remarkable process by which life-giving topsoil is produced from the basic raw materials of rock, water, air, and sunlight. Contrasts the productive capacity of topsoil with that of subsoil. (Jr. and Sr. High)

BLACK BEAR TWINS (EBF)

11 minutes—sound $2.00 2
This film portrays the experiences of a family of campers in observing a pair of small, hungry, and mischievous twin bears. The bears play with a blanket and ball; raid a wild-bee hive; nurse their stings in a mud puddle; then go for a swim in an adjoining lake. (Elementary through Jr. High)

BLOCKING IN FOOTBALL (EBF)

10 minutes—sound $2.00 2
Andrew Kerr, Football Coach, Colgate University, teaches fundamentals of good blocking; position, speed, drive and follow-through, timing, and body control. Describes the two basic kinds—shoulder and body blocks—and demonstrates half a dozen variations of these. Emphasizes the importance of practice, experience, and good physical condition, using game shots, slow motion, stop motion, and animation techniques. (Jr. High through Adult)

BLOOD GROUPS, SKIN COLOR AND GENE POOLS

28 minutes—sound—color $5.00 5
Guest Lecturer—Dr. Curt Stern, University of California. Explains alleles and the heredity aspects of differing genotpyic combinations in human blood groups and skin color. Defines population genetics and emphasizes the part played by chance in inheritance.

BLUEFIN RODEO (CTB)

10 minutes—sound—color $1.50 1.5
This film takes you out to sea, right into the midst of the fray, to witness the duels between men and fish. It's cause for celebration again when the beautiful silver cup is awarded the winner. (Jr. High thru Adult)

Unit Value

BLUE WATER HOLIDAY (NFBC)

25 minutes—sound—color $1.50 1.5
In this film, an old Lakes captain, who knows every nook and cranny of the coast, gives you the benefit of his long acquaintance. Beginning at the Ambassador Bridge linking Detroit and Windsor he shows you how to get the most out of a land-and-water tour of the Huron coast. This is one of the oldest parts of Ontario, and the film explores many of the historic places, including Uncle Tom's cabin of storybook fame.

BOATS (EBF)

11 minutes—sound $2.00 2
On taking a boat trip from Albany, down the Hudson River to New York, Nancy and Roger have many exciting adventures. Between seeing the sights along the shore, inspecting the different parts of their boat, and observing the different types of boats which ply the river, their time is fully occupied. A landing at a river town, the approach to New York City and the many wonders of its harbor are climaxed by seeing a great ocean liner, assisted from its dock by tugboats to begin its journey across the Atlantic. (Primary through Jr. High)

BODY DEFENSE AGAINST DISEASE (EBF)

10 minutes—sound $2.00 2
Provides an exposition of the three lines of defense against disease: the skin, phagocyte cells and lymphatics, and the circulatory system, including the liver and the spleen. Closeups reveal the ciliary action of the mucous membrane. Normal, infected and ruptured appendices are depicted. Magnified views show the reaction of serums containing antibodies of typhoid and cholera bacteria. (Jr. High through College)

BOOKER T. WASHINGTON (EBF)

20 minutes—sound $4.00 4
Portrays the dramatic story of Booker T. Washington from childhood to the time when he became "probably the greatest Negro in history." Vividly reproduces episodes illustrating his constant struggle to free his people from ignorance, poverty, and fear. Recalls his hardships in obtaining an education, his problem in building Tuskegee Institute, and his tragedies in his private life. Calls attention to his influential Atlanta speech. (Jr. High through Adult)

BOOKKEEPING AND YOU (CORONET)

10 minutes—sound $2.00 2
A high school bookkeeping class demonstrates why students study bookkeeping, life of bookkeeping in single proprietorship, keeping permanent records, business papers such as invoices, checks, statements, record keeping for social organizations, and family records, bookkeeping in business, home, government and community life. (Jr. High through Adult)

BORN IN THE WHITE HOUSE (National Foundation Infantile Paralysis)

26 minutes—sound—black and white $1.50 1.5
Traces the progress of medical science in the conquest of disease,

Unit Value

with particular emphasis on recent gains in polio research and treatment. (All Ages)

BOSS COMES TO DINNER (ASTOR)

10 minutes—sound $2.00 2
A young couple demonstrates how to entertain "the Boss" and his wife. Based on Emily Post. (Adult)

BOSTON MASSACRE, THE (YA)

27½ minutes—sound $5.00 5
Walter Cronkite reports, as if on March 5, 1770, the rioting and increasing protest demonstrations in Boston against British taxes levied without representation. Outside the Customs House a mob attacks a British sentry. Goaded beyond endurance, the Captain orders his men to fire on the rioters. John Adams defended Captain Preston in his trial for murder and the Captain was acquitted. (Jr. High through Adult)

BOSTON TEA PARTY, THE (YA)

27 minutes—sound $5.00 5
December 16, 1773, the eventful day when American patriots decide to strike a daring blow against British tyranny and taxation. Portrays the spirit and personalities of the times which led up to the Revolution. (Junior High through Adult)

THE BOYHOOD OF GEORGE WASHINGTON (CORONET)

11 minutes—sound $2.00 2
The film shows that Washington's early years around Ferry Farm and Mount Vernon were those which shaped the standards of conduct and capabilities which eminently fitted him for leadership. (Intermediate)

BOY OF A FRONTIER FORT (CORONET)

11 minutes—sound $2.00 2
This story of daily life in a frontier fort in the 1790's shows new settlers from the east and the dramatic preparations for an Indian attack, and pictures the use of early-day firearms and tools. (Intermediate, Junior High)

BOY OF MEXICO, A: JUAN AND HIS DONKEY (CORONET)

10 minutes—color—sound $4.00 4
Through the warm and human story of Juan, a small Mexican boy, and his donkey, Pepito, children become acquainted with some of the characteristics of rural Mexico. In following Juan's experiences on a single day, the film conveys a sympathetic feeling for Mexico and provides a rich background for reading and language arts activities related to life in this country. (Primary, Intermediate)

BRASS CHOIR (EBF)

10 minutes—sound $2.00 2
The timbers of various brass instruments are demonstrated—the brilliance of the trumpets, the mellow romantic quality of the horns, the rich power of the trombones and the massive depths of the tuba. Unique camera angles show intimate details of play-

Unit Value

ing techniques. Opens with a portion of Beethoven's "Fifth Symphony" and closes with the finale from Wagner's "Tannhauser" Overture. (Elementary through Adult)

BRATTAIN ON SEMICONDUCTOR PHYSICS (Bell Tel.)

30 minutes—sound $1.50 1.5
This film features Dr. Walter H. Brattain, who presents an introductory college level lecture on the physics of semiconductors. He demonstrates such semiconductor properties as thermal EMF, photo EML and rectification. (College)

BRAZIL—Tropical Lowland (UWF)

20 minutes—sound $4.00 4
In this film, we study life in a large, hot humid lowland dominated by forests; although this area is rich in tropical products, it is sparsely populated. We see native families in their river front jungle homes, engaging in primitive subsistence farming, and gathering forest products, such as wood and nuts. The only connection with the outside world is the Amazon River, down which the natives make trips to small trading posts where river steamers collect their jungle products for transport to the port of Manaos, from whence they are shipped to all parts of the world. (Elementary through Adult)

BREAD (EBF)

11 minutes—sound $2.00 2
Gives the story of bread from the wheat farm to the table. Sequences portray the use of flour in the home; the harvesting of wheat; flour milling; and the making of bread in a modern bakery. (Primary through Jr. High)

BREAKTHROUGH IN EDUCATION (NCEA)

28 minutes—sound $1.50 1.5
A discussion of challenges in today's education with pertinent subjects ranging from teaching machines to classroom instruction via television.

BRITAIN AND HER EMPIRE (MOT)

17 minutes—sound $2.00 2
Here is a pictorial exposition of the relationship of England to her two score colonies, protectorates, and mandates—and the outstanding characteristics of the free and self-governing dominions. In an analysis of the British people, her current problems in housing, health, and social security are covered. (Jr. High through Adult)

BROADER CONCEPTS OF CURRICULUM (McGRAW-HILL)

21 minutes—sound $3.00 3
Based on the doctrine, "Secondary education for all the children of all the people," this film shows that a modern curriculum is the outgrowth of many evolving social and economic pressures in our changing way of life. Among the needs of youth are—civic competence, vocational orientation, preparation for family living, health and physical fitness. This film portrays a wide variety of learning experiences which the school can provide for our fast-expanding secondary school population. (College-Adult)

Unit Value

BROADER CONCEPT OF METHOD, Part I (McGRAW-HILL)

13 minutes—sound $3.00 3
Presents a frank picture of the conventional teacher-dominated lesson hearing type of recitation and shows typical effects of this method upon student attitudes, responses and learning. The film then shows alternative techniques to achieve broader educational objectives. A comparison is drawn between the formal recitation and the informal, group discussion types of class sessions in which students are permitted, under unobtrusive teacher guidance to share in the planning of their work and are thereby stimulated towards worthwhile and meaningful learning experiences. (College and Adult)

BROADER CONCEPT OF METHOD, Part II (McGRAW-HILL)

19 minutes—sound $3.00 3
Students are shown learning to work together, to organize themselves into functional groups, to make and carry out plans for investigation, and to present their findings and recommendations in a group report. In these activities some difficulties are encountered which the teacher helps them overcome by tact and guidance. (College and Adult)

BROTHERHOOD OF MAN (BRANDON)

10 minutes—sound—color $4.00 4
In gay colors with brilliant new animation, writing and music technique it tells the important story all men and women of good will have dreamed of putting into popular and intelligent form. All age levels will understand this timely film. (Elementary through Adult)

BRUCELLOSIS RING TEST (USDA)

6 minutes—sound—color $1.50 1.5
Introduces the methods and techniques of a presumptive herd test for brucellosis. The B.R.T. is applied to milk samples from dairy herds as a screen procedure to locate herds containing infected animals. The infected herds, once located, are officially blood tested to locate and identify the individual animals.

BRUSH TECHNIQUES (EBF)

10 minutes—sound—color $4.00 4
A color film photographed as if through the eyes of the artist, Eliot O'Hara, one of the most successful teachers of the use of the watercolor medium. All important steps in direct watercolor painting are portrayed to demonstrate the selection and arrangement of masses drawn from a scene in nature to effect a pleasing composition. (Jr. High through Adult)

BUILD YOUR VOCABULARY (CORONET)

10 minutes—sound $2.00 2
Mr. Smith, unable to express himself effectively, takes steps to improve his vocabulary. He starts a vocabulary notebook, fixes new words in his mind by immediate use, makes a conscious effort to determine meanings through context and to be alert for words with the right meaning. He uses his newly acquired vocabulary with success. (Junior High through Adult)

Unit Value

BUILDING A HIGHWAY (EBF)

10 minutes—sound $2.00 2

Skillfully demonstrates major steps in the construction of a modern, two-lane highway. Illustrates such processes as clearing, cutting, scraping, and leveling the r o a d b e d; assembling materials; mixing and dumping the concrete; and smoothing and finishing the surface. Finally reveals the completed highway open to traffic. Emphasizes the necessary skills involved in providing well-built, safe highways for automotive traffic. (Primary and Elementary)

BUILDING BETTER PARAGRAPHS (CORONET)

11 minutes—sound—color $4.00 4

Collaborator: Ruth Strang, Ph.D., Professor of Education, Columbia University. In trying to report an event for insertion in the school paper, this class learns the elements of a good paragraph. The confusion that can result when irrelevant material is introduced into a paragraph is demonstrated, and tests of good paragraph construction are presented.

BUILDING AMERICA'S HOUSES (EBF)

11 minutes—sound $2.00 2

Animated drawings and live-action photography are used to analyze important reasons for high building costs, and to examine ways in which these costs can be reduced. A final sequence shows how the economics of mass-production can be applied to housing costs by means of prefabrication, site fabrication and power tools. (Jr. High through Adult)

BUILDING AN OUTLINE (CORONET)

10 minutes—sound $2.00 2

Values of outlining and the basic principles involved in this important educational skill are presented in this motion picture. Students will learn how to find main headings, how to word or phrase an outline and what the mechanics of outlining are. Teachers of all subjects will find this film an effective aid in helping students plan and organize reports and papers. (Elementary through Sr. High)

BUILDING THE PANAMA CANAL (KB)

11 minutes—sound $2.00 2

Historic scenes of the actual building of the canal. Shows the uniting of the Pacific and Atlantic Oceans and how the locks operate. Concludes with a trip through the canal. (Elementary and Jr. High)

BULLY (YA)

10 minutes—sound $2.00 2

Deals with the problem of the individual who is too aggressive in his relations with others of his group. The situation dramatized concerns Chick, a young boy in his early teens, large for his age, and decidedly aggressive in his relationships with others. Chick is the leader of a small gang of boys, most of whom are smaller in size. The boys and girls involved are junior high school students. (Elementary and Jr. High)

Unit Value

BUS DRIVER, THE (EBF)

11 minutes—sound $2.00 2
A dramatized account of an eventful cross-country bus trip made by a small boy. Shows how a bus driver meets driving hazards, serves his passengers, and keeps his bus in operating condition. (Jr. High)

BUTTERFLIES (EBF)

10 minutes—sound $2.00 2
The complete life history of the cabbage butterfly and the swallowtail butterfly with their different characteristics and habits, including their role in nature, that of aiding in the cross-fertilization of flowers. Time-lapse photography is employed to show in a few seconds processes which require an hour or more. The destructiveness of the cabbage butterfly, as well as its unusual control by a natural enemy, is dramatically depicted. (Elementary through College)

THE BYZANTINE EMPIRE (CORONET)

13½ minutes—sound—color $5.00 5
Photographed principally in Greece and Turkey, this film illustrates the important cultural contributions and character of the Byzantines along with the highlight of their Empire's history.

CALIFORNIA AND ITS NATURAL RESOURCES (BM)

40 minutes—sound—color $1.50 1.5
Presents the resources, products and industries of the state, contrasting the present development with the barrenness and wasteland of California's early history. Shows the tranformation of desert wastes into productive fields by means of irrigation, rugged mountains into mineral mining and milling activities, and cliff scarred coastlines into petroleum production facilities. (Jr. High through Adult)

CAMERAS AND CAREERS (EK)

28 minutes—sound—color $1.50 1.5
This is a stimulating motion picture aimed at 12 to 15-year-old young people. Designed specifically for group guidance situations, this film is the first to bear the legend "Prepared with the Cooperation of the National Vocational Guidance Association." Recognizing that the best way to reach young people thinking about careers is through their guidance counsellors, the Eastman Kodak Company went to the NVGA for help.

CAN WE HELP THE SLOW LEARNER? (NCEA)

28 minutes—sound $1.50 1.5
In this film, parents ask the questions and educators give the answers as they discuss the challenges of today's schools in dealing with slow learners. Language labs and substitute teachers are also on the agenda.

CANADA—Home of the French Canadians (UWF)

20 minutes—sound $3.00 3
Where the climate makes it possible, low fertile land along rivers makes good farm land. When settled by people with common

Unit Value

language, religion, and other ethnic ties, river lowlands tend to maintain their cultural homogeneity for long periods of time. In Papa Paradis and his family, who live in the village of St. Pierre, and are the central characters in the story, the picture demonstrates how these principles operate in French Canada. The lower St. Lawrence River is wide and navigable, with fertile land on both sides. Farm life reflects the influence of French culture. The cool, moist climate is good for dairying and nearby cities such as Quebec and Montreal help make this occupation profitable. (Elementary through Adult)

CANADA'S NEW FARMLANDS (UWF)

20 minutes—sound $3.00 3

The principles which govern the development of new frontiers are clearly set forth in this picture. We observe Roy and Einar Grimsrud, two young Norwegians, who fought in the Canadian Army, begin the development of their new lands. Clearing the land, planting the crops and taking part in the life of the new community, these young men are typical of the people who push the boundaries of our civilization ever outward to new frontiers. Contrasted to the life of the Grimsrud boys the film presents the more settled life in the growing town and on the farm of Mr. and Mrs. Watson, two of the earlier settlers. (Elementary through Adult)

CANALS OF ENGLAND (EBF)

20 minutes—sound $3.00 3

Origin, development, and present status of canal boat traffic in England. A voyage on one of the boats through Grand Union Canal. (Jr. and Sr. High)

CANCER (EBF)

12 minutes—sound $2.00 2

A timely and vital film explaining the basic facts that everyone should know about cancer, second only to heart disease as a cause of death in the United States. Describes the nature of cancer, the widespread necessity for constant vigilance in the detection and subsequent treatment of cancer.

CANDLE MAKING (BARR)

10 minutes—sound $2.00 2

A pioneer family is seen making "tallow dip." Father starts the fire with his fire bow; Donald brings wood, water and tallows; Elaine helps her mother twist the candle wicks on the "candle rods" and helps with the dipping. Father trims the candles and Donald packs them in the candle box. With the work finished the family gathers around the evening fire and father reads by candlelight. (Elementary and Jr. High)

CANYON COUNTRY (FORD)

14 minutes—sound—color $1.50 1.5

Photographs of the scenic beauty of the Grand Canyon of the Colorado River, and the surrounding countryside. (Elementary through Adult)

Unit Value

THE CAPE ISLANDER (NFBC)

14 minutes—sound—color $1.50 1.5
This film tells the story of the Cape Island boats, a familiar sight in the coastal waters of Nova Scotia. It takes you to their place of origin, the boat-building yards of Clarkes Harbor, and shows you the construction of a Cape Islander from the time the frame is fitted until the completed boat is launched to join its cousins for adventure at sea.

CAPITALISM (CORONET)

10 minutes—sound $2.00 2
The camera introduces to your students some important aspects of the capitalistic system—private property, profit, competition, freedom of contract and free enterprise. Through the story of a high school radio forum, students will also have an opportunity to listen to the conflicting opinions of several people, each of whom tries to tell what our system means to them. (Sr. High through Adult)

CAPTAIN JOHN SMITH (EBF)

20 minutes—sound $3.00 3
Dramatizes the struggles of the first permanent English colony in the New World.

CARBON AND ITS COMPOUNDS (CORONET)

10 minutes—sound $2.00 2
A diamond . . . a pencil . . . and a chunk of charcoal. Beginning with these familiar objects, this film explains carbon's simple compounds and introduces hydrocarbon and the more complex chain and ring compounds. It teaches appreciation and understanding of the many forms and uses of carbon and its tremendous importance in our domestic and industrial worlds. (Sr. High through Adult)

CARBON FOURTEEN (EBF)

12 minutes—sound $2.00 2
Explains the use of radiocarbon (carbon 14) as a means of determining the age of ancient objects. Defines "half-life" in clear, lucid terms. Illustrates the role of carbon 14 in tracing the vital processes of growth in living things. Shows how carbon 14 is permitting an approach to a solution of the riddle of photosynthesis, and how it has an important bearing on observational methods in life sciences. (High School and Adult) (Physical Science)

CARE OF ART MATERIALS (YA)

11 minutes—sound $2.00 2
An all-animation film made especially for young children, and designed to promote greater interest and care in the handling of art materials. Discusses care and use of such common tools as brushes, paints, chalks and crayons, scissors, paste and glue, and clay. (Primary)

CARE OF HAIR AND NAILS (EBF)

11 minutes—sound $2.00 2
A fairy tale character uses magic to help youngsters learn good

Unit Value

habits. She shows them how to clean and manicure fingernails, how to trim toe-nails, and how to shampoo and brush the hair. She lets them see some common diseases of the hair. Animated drawings show the structure of hair and nails and explain why their care is important. (Primary and Elementary)

CARE OF PETS (EBF)

11 minutes—sound $2.00 2
Natural scenes of pets and instruction on how children can take care of them. (Primary through Jr. High)

CARE OF THE FEET (EBF)

10 minutes—sound $2.00 2
Explains clearly the functions of the feet and the distribution of the weight of the body with the relation of this weight to the force of gravity affecting the feet while the body is standing at rest or in motion. With the aid of diagrams and x-ray it shows vividly the results of foot abuse, gives remedies for correcting foot ailments, and explains the proper care of the feet. (Elementary through Adult)

CARE OF THE SKIN (EBF)

10 minutes—sound $2.00 2
Demonstrates the good habits of skin hygiene which every child should form. Portrays three attractive children as they prepare for bed, showing the proper way to wash hands and face, and to bathe. Common skin ailments are illustrated. Animated drawings describe the structure of the skin and explain why soap is necessary for cleanliness. (Primary and Elementary)

CAREER: MEDICAL TECHNOLOGIST (C-W)

24 minutes—sound—color $1.50 1.5
Story of four high school students and their planning for careers in medical technology. Shows the proper preparation in College and the kinds of work that a medical technologist does. Also points out the various fields in which one may work when the training period is finished. (Sr. High through College)

CAREERS IN RECREATION (AI)

25 minutes—sound $1.50 1.5
Depicts some of the duties of recreational leaders in various social areas such as civilian, military, hospital and industrial communities. Explains the unlimited opportunities of making recreation a career for young men and women. (High School, College, Adult)

CARL SANDBURG DISCUSSES LINCOLN

11 minutes $2.00 2
In this interview with Edward R. Morrow, Sandburg tells us how he used personal recollections of others, his own life in Illinois, and tremendous research to create the Pulitzer Prize winning biography of Lincoln. (Junior High, Senior High, College)

Unit Value

CARNIVAL IN QUEBEC (CTB)

18 minutes—color $1.50 1.5
A colorful record of Quebec City's winter carnival. Revived after having lapsed for some years, the carnival again has all the fun and frolic of a southern Mardi Gras but in a gleaming winter setting. (Elem. thru Adult)

CATALYSIS (EBF)

10 minutes—sound $2.00 2
Explains concentration by absorption, activation by absorption, intermediate compounds in a homegenous mixture, chain reactions, breaking of reaction chains, poisoning of catalysts, and negative catalysts or inhibitors. (Jr. High through College)

CATCHING FUNDAMENTALS (CORONET)

10 minutes—sound $2.00 2
Since the position of catcher is the most difficult baseball position to master, attention should be given to developing fundamentals carefully. Here, the three basics of good catching are demonstrated: (1) Catching itself, including signals, stance and catching the pitch; (2) Throwing to the pitcher and the baseman; (3) Skill and strategy during game play. (Jr. High through Adult)

CATTLEMEN, THE (EBF)

10 minutes—sound $2.00 2
Depicts in full detail life on a cattle ranch and the activities of the family and its hired help. (Primary through Sr. High)

CAUSES AND IMMEDIATE EFFECTS OF THE FIRST WORLD WAR (INT. CO.)

23 minutes—sound $4.00 4
Animated maps, scenes from newsreels of the period, and commentary combine in this film to explain the major causes and the immediate effects of the 1914-18 First World War. A general outline of casual factors beginning with the year 1879 are cited. Then the course of the War is traced through the Armistice. After the Armistice animated maps show in detail the well-known terms the Treaty of Versailles. We see Congress reject the Treaty and the League of Nations and the minority problems in Europe after the Treaty was put into effect. (Jr. High through Adult)

CELL RESPIRATIION (McG-H)

28 minutes—sound—color $5.00 5
This film presents respiration as one facet of cell metabolism, the other two being cell nutrition and cell synthesis. Respiration is described as the power producing part of cell metabolism. Explanation of the function of ATP molecules in cell respiration is effectively presented and related to cell nutrition and synthesis.

CELL REPRODUCTION (MITOSIS) (AIBS)

28 minutes—sound—color $5.00 5
Guest Lecturer—Dr. H. Burr Roney, University of Houston. Describes the various stages of cell reproduction. Stresses the

Unit Value

importance of cell reproduction in maintaining life on earth, and emphasizes the role of DNA in controlling cell reproduction.

CELL—STRUCTURAL UNIT OF LIFE (CORONET)

10 minutes—sound—color $4.00 4
Here, through amazing photomicrography, the living, simple cell is authentically presented. Students actually see the moving, living protoplasm in a leaf cell . . . see amoeba taking food, growing, dividing . . . becoming familiar with the functional differences in cell structure. This vivid film teaches the basic relationship of our own living bodies to other living organisms in the world. (Elementary through Adult)

CENSUS SIXTY (CU)

15 minutes—sound $1.50 1.5
A humorous and effective explanation of the tremendous job of collecting and recording the 1960 census. Shows how electric computers are used to complete the job. (Jr., senior, college)

CENTRAL AMERICA (EBF)

10 minutes—sound $2.00 2
Presents authentic documentary material concerning the geography and climate of Central America and the story of its peoples.

CENTRALIZATION AND DECENTRALIZATION (EBF)

18 minutes—sound $4.00 4
Depicts the problem created by the gradual transfer of decision-making from local communities to centralized bodies operating at state and national levels. Suggests the need for preserving a balance between local and central authority. (High School, College, Adult)

CHALKBOARD UTILIZATION (McGH)

16 minutes—sound $4.00 4
Shows how the teacher can add interest to the teaching situation by means of a number of techniques in chalkboard utilization. Includes stick figures and various methods of transferring drawings to the chalkboard. (College and Adult)

CHALLENGE OF IDEAS (UWF)

30 minutes—sound $2.00 2
Gives a positive approach to the conflict of idealogies in the world today. Discusses the Communist approach to conquest, through political, economic, and military idealogical means.

THE CHALLENGE OF THE GIFTED (McGRAW-HILL)

11 minutes $2.00 2
Shows what one school district (Vallejo, California) is doing about the problems of the exceptional child.

CHALLENGE OF THE OCEANS (McGRAW-HILL)

27 minutes—sound—color $5.00 5
An exciting motion picture on oceanography presenting current views of the character and dynamics of oceans, explaining the

Unit Value

scope and objectives of current oceanographic exploration, and discussing problems confronting the oceangrapher.

CHAMBERLAIN AT MUNICH (YA)

27 1/2 minutes—sound $4.00 4
On September 29, 1938, Chamberlain met with Hitler, Mussolini, and Daladier to discuss the Czechoslovakia Germans' demand for autonomy. The four leaders sign the Munich pact, indicating almost complete submission to the demands of Hitler. In London Duff Cooper resigns his post as first Lord of the Admiralty. Hitler's promises proved false. Within the year Poland was invaded. But on this day in 1938 Chamberlain was a world hero—the torch-bearer of peace.

CHAMPIONSHIP TENNIS—1947 (AFS)

11 minutes—sound $2.00 2
United States Lawn Tennis Association championships at Forest Hills, Long Island, featuring Jack Kramer, Frank Parker, John Bromwich, Louise Brough, Margaret Osbourne and Dorothy Hart. Slow motion shows the techniques of each of these tennis stars. (Jr. High through Adult)

CHANCE TO LOSE (CC)

10 minutes—sound $2.00 2
Fully stocked gasoline tanks and production of new cars are luring motorists to the open road in prewar numbers. People are driving farther and faster. Many old cars are in poor mechanical condition. These facts obviously create a hazard that puts emphasis on safer, saner driving at the present time. This dramatic picture sells "safe driving" in a thrilling way. Valuable tips on safe driving are demonstrated. Approved by National Safety Council. (Jr. High through Adult)

A CHANCE TO PLAY (GE)

20 minutes—sound $1.50 1.5
Shows the need for playgrounds and recreational centers for children. Stresses a similar need for recreation centers for the aged. Suggests some methods on how these facilities can be obtained.

CHANGE OF SCALE (PSSC)

23 minutes—sound $5.00 5
Robert Williams, MIT. Demonstrates that change of size necessitates change in structure of objects; uses specially constructed props to emphasize sealing problems, then shows practical applications of scale models as used in the construction of harbors, study of ship design and movie-making.

CHANGES IN GENOME NUMBER

30 minutes—sound $5.00 5
Lecture by Dr. H. J. Muller. (College)

THE CHARACTER OF OEDIPUS (EBF)

30 minutes—sound—color $5.00 5
A detective story in "Oedipus the King" is revealed and the character of Oedipus strengthens our thoughts on this point.

Unit Value

CHARLES DICKENS, BACKGROUND FOR HIS WORKS (CORONET)

10 minutes—sound $2.00 2

To know and understand the writings of Charles Dickens, a reader must know and understand London, and the times of Dickens. Such a social setting is provided here. Filmed in England which Dickens described so well, this motion picture offers clues to interpretation and a rich sense of his significance. (Jr. High through Adult)

CHEATING (YA)

10 minutes—sound $2.00 2

Deals with the problems of the individual who unfairly seeks the help of others in the performance of his school assignments. The situation dramatized concerns John Taylor, a junior High School member of the student council, who gradually comes to place more and more dependence on Mary Mathews, his classmate, for assistance in completing his school assignments. The climax of the situation occurs when John is caught receiving help during an examination. (Elementary and Jr. High)

CHEMICAL ORGANIZATION OF THE CELL (AIBS)

28 minutes—sound—color $5.00 5

Guest Lecturer—Dr. H. Burr Roney, University of Houston. Describes complex cell activity at molecular and atomic levels. Presents composition of cell nutrients and cell chemicals. Relates the origin and use of energy within the cell to various cell functions.

CHEMISTRY AND A CHANGING WORLD (EBF)

10 minutes—sound $2.00 2

Directs attention to the significant role which chemistry plays in our modern world. Traces the steps leading up to the production of electric furnace phosphorus. Portrayals of the work of research chemists and chemical engineers from the inception of the idea to the multiple uses of the completed product provide vocational information. (Jr. High through College)

CHICKEN LITTLE COUNT TO TEN (Ind. U.)

14 minutes $3.00 3

The Friendly Giant reads Chicken Little Count to Ten by Margaret Friskey, published by the Children's Press. After the story, Rusty the Rooster then drinks a bowl of milk to show how a chicken must jiggle to drink. (Primary)

CHILDREN IN AUTUMN (EBF)

11 minutes $2.00 2

Jerry is working on a collection of signs of autumn with the help of his sister. They observe the gradual change from the luxuriant green of the summer to the brown and red color of autumn. They also observe changes in the animal world. The days grow shorter and the weather becomes cooler—all of which influence life around them. By November, Jerry has a rich collection of signs of autumn. Primary.

Unit Value

CHILDREN IN SPRING (EBF)

11 minutes $2.00 2

Two children observe the signs of spring through a series of personal experiences. On a picnic in the woods, they enjoy the blossoming trees and wild flowers; find tadpoles in a stream and baby birds in a robin's nest. Later, with their mother's help, they start a vegetable garden from seeds and young plants, and set out a row of flowers. Primary.

CHILDREN IN SUMMER

11 minutes $2.00 2

Two children enjoy summer experiences month by month. They visit the farm and investigate nature in the barnyard, in the fields, and in the pasture. The two children work in their garden and enjoy a dinner outdoors with vegetables from their garden. Primary.

CHILDREN IN WINTER (EBF)

11 minutes $2.00 2

Two children, with their dog, observe the winter season. They play in the snow, investigate nature in their back yard and around the house, check temperature, and observe the waning of the day with the accompanying play of shadows. Some indoor activities are shown. The children's winter experiences are woven into a story which begins on the first day of winter and ends with the first thaw. Primary.

CHILDREN OF CHINA (EBF)

11 minutes—sound $2.00 2

Reproduces episodes from the home, school and play life of children in a representative village deep in the interior of China. Different types of family relationships are observed. School training in loyalty to parents, together with home and community customs reflect the influence of Chinese tradition on contemporary life. Recreational activities are shown, and Chinese dialogue is reproduced and interpreted in several sequences. (Primary through Jr. High)

CHILDREN OF HOLLAND (EBF)

11 minutes—sound $2.00 2

Study of the home life, environment and activities of a country boy and girl in picturesque Holland. Their school activities, sports and game, and a horse and cart trip with their parents to a typical Dutch town provide glimpses of rural and urban life. Handicraft, hobby and recreational activities, are shown. (Primary through Jr. High)

CHILDREN OF JAPAN (EBF)

11 minutes—sound $2.00 2

In an environment obviously influenced by Western technology, the film presents events in the daily life of a middle-class Japanese family. Their home surroundings, living and sleeping quarters, furnishings, dress, customs, and manners are depicted, along with school and play experiences of the children and routine tasks of the parents. (Primary through Jr. High)

Unit Value

CHILDREN OF RUSSIA (IFF)

13 minutes—sound $2.00 2
You wouldn't expect to see a dramatization of our American Huck Finn in this film but it's there because it is included in the Russian school curriculum. In this film we see how the Russian children go to school—garden—play—parade—visit museums and the art galleries—and live in the summer Pioneer camps, camparable to our youth camping programs. (Primary through Sr. High)

CHILDREN OF SWITZERLAND (EBF)

10 minutes—sound $2.00 2
A railway train makes a long steep climb to a village in the Swiss Alps. On the village street we find Trudi Naegeli and her brother, Hans, who often linger in the village to see tourists arrive. On their way home they stop at the shop of a wood-carver. Here we see figures of William Tell and many, many carvings of cattle and clocks of every size. Father Naegeli makes his own cheese, and harvests his own crops. (Primary through Jr. High)

CHILDREN'S EMOTIONS (McGRAW-HILL)

16 minutes—sound $4.00 4
Discusses the major emotions of childhood: fear, anger, jealously, curiosity and joy. Each is explained at various age levels, and each is dealt with in an intelligent manner. (College and Adult)

CHILDREN'S PLAY (McGRAW-HILL)

27 minutes $4.00 4
Play is a dynamic factor in a child's development as well as a requirement for good health. This film points up the changing form of children's recreation, portraying play at each age level. The film demonstrates the important contributions parents can and should make to give their children the best possible chance for healthy play. Correlated with Hurlock: Child Development. College, Adult.

CHILE (EBF)

11 minutes—sound $2.00 2
Calls attention to varied aspects of the Chilean scene—mountains, deserts, glaciers, mines, ports, and pastoral areas—before proceeding to an estate in the agricultural Central Valley. Here the role of the state is seen in relation to the visiting owner and his family the farming population, and Chilean agriculture generally. On the family's return to Santiago, varied aspects of Chile's capital city are featured—especially its role as an educational center. Spanish dialogue is extensively used throughout. (Elementary through Adult)

CHIMNEY ROCK PARK (CH. PARK ASSN)

14 minutes—sound—color $1.50 1.5
In The Land Of The Sky—Chimney Rock Park a few minutes drive from Asheville is a fantastic and fascinating natural playground. Film shows in detail scenes on and around Chimney Rock such as Hickory Nut Fall, Hickory Nut Gorge, Needles Eye, Lake Lure. (All age groups)

Unit Value

CHINA (MOT)

18 minutes—sound $2.00 2
This film shows China today faced with enormous problems in its attempts to make the transition from an ancient empire to a unified republic. Presents China's old way of life, little changed since medieval times; the beginnings of democracy and westernization under Dr. Sun Yat-sen; the long years of bitter struggle against Japanese aggression and tyranny; and then, China today. (Jr. High through Adult)

CHINA: THE LAND AND THE PEOPLE (CORONET)

10 minutes—color—sound $4.00 4
Stressing the essential characteristics and differences between North and South China, this film presents an overview of the country whose population is greater than that of any other area in the world. Showing the close relationship which has, for centuries, existed between the people of this vast land and the land itself, the film accents the importance of agriculture to the Chinese and anticipates the future of China—a shift towards industrialization. (Intermediate, Junior High)

CHINA—Oriental City (UWF)

20 minutes—sound $4.00 4
We study the habits and customs of oriental urban life in this picture. Life of people living on sampans of this river port and life in a Cantonese merchant's home are vividly presented. We watch Chinese artisans making handicrafts from ivory and silver. Produce arriving in Canton by boat and cart show the dependence of the city upon the surrounding countryside. (Elementary through Adult)

CHINA—Szechwan Province (UWF)

20 minutes—sound $4.00 4
The Szechwan basin of South China is seen to be densely populated country, where farm land is scarce and an intensive subsistence type of agriculture is the characteristic means of livelihood. (Elementary through Adult)

CHIROPRACTIC AS A CAREER (NAT. CHIR. ASSN.)

14 minutes—sound—color $1.50 1.5
This film in full color tells about the chiropractic profession and the education of a chiropractic doctor. (Jr., Sr. High)

CHOOSE TO LIVE (USDA)

20 minutes—sound $1.50 1.5
The fight of the United States Public Health Service against cancer. The causes of cancer, preventive measures, methods of treatment, and curing are clearly outlined. (Sr. High through Adult)

CHOOSING YOUR OCCUPATION (CORONET)

10 minutes—sound $2.00 2
"This is a picture about YOU!" From this opening sentence through the last scene the impact of this film is directed toward each individual member of the audience. Self appraisal, occupational possibilities, preparation requirements and guidance

Unit Value

facilities are a few of the ideas perfectly integrated here for the benefit of vocational guidance classes. (Jr. High through Adult)

CHRISTMAS CUSTOMS NEAR AND FAR (CORONET)

14 minutes—sound—color $5.00 5
Children of Swedish, German, Mexican, Italian and Chinese descent enact traditional Christmas celebrations of these countries. Their dances, decorations and festivities are shown against a background of Christmas music. Fran Allison explains Christmas Legends and customs of many lands. (Elem. through Adult)

A CHRISTMAS GIFT (EBF)

6 minutes—sound—color $3.00 3
This delightful film tells a heart warming story of children at Christmas time. Planned as an incentive for primary grade reading, the film utilizes familiar home and school situations to capture and hold the attention of youngsters. The story revolves about young Jerry and Linda who learn a valuable lesson about the spirit of Christmas. (Primary)

CHRISTMAS RHAPSODY (EBF)

11 minutes $2.00 2
The heart-touching story of the littlest Christmas tree . . . as tender and warm as the meaning of Christmas. Photographed in one of America's most beautiful natural settings —near Brighton, Utah. The familiar music and carols of the Yuletide are woven throughout the film by a full symphony orchestra and chorus. (Primary, Middle, Jr. High)

CHRISTMAS THROUGH THE AGES (EBF)

14 minutes $3.00 3
The story of Christmas, blended from Biblical history, myths, legends, and customs as old as the human race. Dramatic scenes trace the symbols of Christmas to their many sources and reflect the world-wide participation in a holiday which celebrates good-will and peace on earth. (Primary, Middle, Jr. High)

CHROMOSOME ADDITION & SUBSTRACTION

30 minutes—sound $5.00 5
Lecture by Dr. H. J. Muller. (College)

CHROMOSOME CHEMISTRY & GENETIC ACTIVITY

30 minutes—sound $5.00 5
Lecture by Dr. J. Schultz. (College)

CHROMOSOMES AND SEX

28 minutes—sound—color $5.00 5
Guest Lecturer—Dr. Curt Stern, University of California. Indicates the use of drosophila in the study of inheritance and describes T. H. Morgan experiments with sex-linked inheritance. Depicts gene mapping on "X" and "Y" chromosomes, the sex determiners in man.

Unit Value

CIRCLING THE BASES (AMERICAN & NATIONAL)

20 minutes—sound $4.00 4
This film covers the more important fundamentals of base running in slow motion. Also short sentences covering close plays on the bases taken in actual big league games. Features George Case, George Myatt and George Stirnweiss.

CIRCUS ANIMALS (ACADEMY)

11 minutes—sound—color $2.00 2
A companion picture to CIRCUS PEOPLE, revealing, in natural color, fascinating circus animals—their care, training habits, etc. These films are authentic and produced under expert direction and keyed to fit the requirements of lower grade curricula. (Primary and Elementary)

CIRCUS DAY IN OUR TOWN (EBF)

15 minutes—sound $3.00 3
Describes vividly the excitement and drama of circus day, depicting not only the highlights of the performance itself, but many of the preparations necessary for staging the big show. Provides an unforgettable ringside view of circus animals in a variety of spectacular acts, and acrobats and clowns in their breathtaking routines. (Primary and Elementary)

CIRCUS PEOPLE (ACADEMY)

11 minutes—sound—color $2.00 2
An interesting film for primary grades, depicting behind-the-scenes circus activity. Selection of scenes and narration are designed to develop proper attitudes of work and cooperation and offer stimulation for oral composition and foundation for reading readiness. (Primary and Elementary)

CITADEL CITY (CTB)

22 minutes—sound—color $1.50 1.5
Canada's great seaport city of Halifax. Captures the many moods of this ocean terminus and the constant contrasts of the old and the new. Halifax museums are full of mementos of colonial days and of relics of the sea and of the wars that surged up to its shores. (Jr. through Adult)

CITIES: HOW THEY GROW (EBF)

10 minutes—sound $2.00 2
Explains factors which determine the location and growth of cities. Shows the general trend toward organization throughout the United States. Various types of cities and city plans are presented. Factors involved in the decentralization of the city into the metropolitan area are clearly presented. The film includes the prevailing trends of city planning. (Jr. High through College)

CITY, THE (MuseumModArt)

30 minutes—sound $3.00 3
A survey of the problem of planning community living in America, embodying the views of the American Institute of Planners. Contrasts the turmoil of the planless city with the color and

Unit Value

spaciousness of the small planned community. (Jr. High through Adult)

CITY OF MANY FACES (CTB)

14 minutes—sound—color $1.50 1.5
Vancouver, British Columbia, is a beautiful mountain-fringed Pacific Coast city. Its flowers, parks, architecture and beaches as well as its seaport activities are portrayed in this film. (Jr. High-Adult)

CITY WATER SUPPLY (EBF)

10 minutes—sound $2.00 2
Animated drawings describe the relation between rainfall and life; the sources of city water supply—wells, rivers, lakes, and watershed; water-borne diseases; and methods of water distribution. (Jr. and Sr. High)

CIVIL DEFENSE IN SCHOOLS (CDM)

24 minutes—sound $1.50 1.5
Explains the steps necessary for planning and implementing an effective civil defense program for a school system. Detailed information is given for planning shelters, evacuation, internal warning systems and public address systems. Emphasizes the need for the complete cooperation of faculty and staff members to modify the curriculum to include vital defense information and to keep the community informed about the school program and needs for home defense.

CIVIL WAR (EBF)

14 minutes—sound $3.00 3
Chronologically follows the most important military events of the war between the North and the South, stressing social, economic, and geographical factors which ultimately forced the South to capitulate. Techniques such as animated drawings portray in an imaginative and realistic way the strategy and geographical setting on which the war was fought. (High School--Adult)

CLEANLINESS AND HEALTH (CORONET)

10 minutes—sound $2 00 2
Students will never again believe that old saying, "A little dirt won't hurt you!" after seeing this important film. This is the story of David . . . his visit to a doctor . . . of the lessons of cleanliness which the doctor impresses upon him. Through amazing photomicrography, the existence of dangerous tiny organisms all around us is demonstrated, and the importance of cleanliness to good health is soundly established. (Primary through Jr. High)

CLOUDS (USWB)

11 minutes—sound $2.00 2
Various types of clouds are shown, and the movement of high and low pressure areas across the country is described. Weather forecasting as the result of cloud study is discussed. (Jr. High through Adult)

Unit Value

COHO SALMON ON THE FLY (NFBC)

11 minutes—sound—color $1.50 1.5
Summer and early fall is salmon fishing time for the Pacific fly fisherman. In Vancouver Island inlet, we watch Al McClaine, fishing editor, Field and Stream Magazine, as he casts in the likely waters chosen by his guide. As the fish strikes, the line quivers, a salmon leaps and twists, and the fisherman arms extended, patiently plays it within reach of the net. An angler's film, COHO SALMON, identifies the sporting salmon and flies and tackle to be used.

THE COLD DECADE-AIRLIFT (McGRAW-HILL)

28 minutes $5.00 5
This is the story of the Berlin airlift in 1948-49, the story of a new use for Allied airpower—an unexpected use of military planes upon whose success depended the political future of two and a quarter million people.

THE COLD DECADE-KOREAN STALEMATE (McGRAW-HILL)

28 minutes $5.00 5
A vivid account of the Chinese Communist entrance into the Korean war, the first meeting in battle of American F-86 Sabrejet fighters and Soviet-built MIG 15's, and the ultimate stalemate between the ground armies leading to the politically-charged armistice talk.

THE COLD DECADE-TO THE YALU (McGRAW-HILL)

28 minutes $5.00 5
This grim story of the Soviet-supported invasion of South Korea in 1950 and the explosive political overtones of the East-West cold war, is also the story of the advent of the first American jet fighter, the Lockheed F-80 "Shooting Star."

COLLEGE: YOUR CHALLENGE (CORONET)

10 minutes—sound $2.00 2
A presentation of the benefits of college, both academic and non-academic, which high school students may expect. Methods of dealing with financial problems and a possible call to military service are considered, along with other obstacles, thus providing a sound basis from which further discussion and individual consultation may proceed. (Sr. High)

COLLISIONS OF HARD SPHERES (PSSC)

19 minutes—sound $5.00 5
This is a laboratory instruction film dealing with conservation of momentum primarily intended for teachers. The film is a demonstration of the adjustments and operation of the Collision in 2-D apparatus used in the PSSC Lab III-10. The conservation of momentum is demonstrated for both equal and unequal mass spheres. (High School)

COLLOIDS (EBF)

10 minutes—sound $2.00 2
Illustrations of fog (liquid in gas), whipped cream (gas in liquid), clay and india ink (solid in liquid), smoke (solid in gas), and mayonnaise (liquid in liquid). (Jr. High through College)

Unit Value

COLOMBIA AND VENEZUELA (EBF)

11 minutes—sound $2.00 2
Describes the human and economic geography, topography and climate. Shows the several types of people that live here and their work—farming, mining, shipping, manufacturing. Animated map drawings show the extent of Colombia-Venezuela world trade in the import and export of products. (Elementary through Adult)

COLONIAL CHILDREN (EBF)

11 minutes—sound $2.00 2
This film is an authentic reproduction of a Colonial family's day from the morning chores and breakfast to the reading of the Scriptures in the evening. Gives detailed home furnishings, clothing, customs, and events with conversations by the cast. (Primary through Jr. High)

COLONIAL EXPANSION (EBF)

11 minutes—sound $2.00 2
Colonial development in America from the point of view of the influence of each of the great powers, Spanish, French and English, tracing in detail the struggle for control which finally ended with the English being almost completely supreme. (Elementary through Adult)

COLONIAL EXPANSION OF EUROPEAN NATIONS (CORONET)

13 1/2 minutes—sound $3.00 3
The factors behind 17th century expansion are explored shifts in power among nations, the growth of merchant trading, and other social and political reasons for settling colonies. (Intermediate, Jr. High)

COLONIAL FAMILY OF NEW FRANCE (CORONET)

13 1/2 minutes—sound $3.00 3
In authentic settings, we experience the hardships as well as the pleasures of colonial life along the St. Lawrence in about 1700. A visiting priest and a voyageur introduce facets of life in New France. (Intermediate, Junior High)

COLONIAL LIFE IN THE MIDDLE COLONIES (CORONET)

13 1/2 minutes—sound $3.00 3
The general character of life in the pre-Revolution middle colonies is portrayed to show geographic influences on the lives of the people and their contributions to our national tradition. (Intermediate, Junior High)

COLONIAL LIFE IN NEW ENGLAND (CORONET)

11 minutes—sound $2.00 2
In costumed re-enactments, colonials of early New England are shown earning their living and participating in local government. Life in cosmopolitan Boston, under the British rule, is described graphically. (Intermediate, Junior High)

COLONIAL LIFE IN THE SOUTH (CORONET)

13 1/2 minutes—sound $2.00 2
Authentic restorations take us back to life in the colonial South

Unit Value

—to a frontier tobacco farm and a tidewater plantation—in a re-creation of the atmosphere of life in the pre-Revolution period. (Intermediate, Junior High, Senior High)

COLONIAL SHIPBUILDING AND SEA TRADE (CORONET)

11 minutes—sound $2.00 2
Shown in this film are the economic factors which led to the establishment of colonial ship-building and sea trade, in addition to showing how trade routes were established and the effect of restrictive English navigation laws. (Intermediate, Junior High)

COLOR KEYING IN ART & LIVING (EBF)

11 minutes—sound—color $4.00 4
A study of color relationships. Employs abstract demonstrations of color deceptions followed by practical applications. Color relations are applied to art subjects and to aspects of everyday life such as hair, eyes, complexion, dress and home decoration. (Jr. and Sr. High)

COLOUR IN CLAY (EBF)

10 minutes—sound—color $4.00 4
Created in a famous pottery-making section of England, this film portrays modern commercial pottery-making in an authentic setting. It is designed to show the successful combination of art principles with modern technological methods. Mixing and shaping the clay, applying decorations, firing and glazing are shown with clever direction and superb photography. (Jr. and Sr. High)

COLORADO RIVER (CORONET)

10 minutes—sound $2.00 2
Our cameraman contrasts the untamed fury of the Colorado's erosive force with the disciplined beauty it displays when harnessed. Hoover, Parker and Imperial Dams have turned the Colorado into one of the worlds' greatest sources of electrical power, made it the site of recreational resorts and reclaimed the Imperial Valley from a barren desert—a demonstration of man's engineering genius as it assists nature. (Elementary through Sr. High)

COMBAT AMERICA (OWI)

63 minutes—sound—color $2.00 2
"Combat America" relates the most sustained, exciting, and deadly aerial battles to come from the cameras of the U. S. armed forces. Major Clark Gable gives a vivid story of the fighting and bomb bays of the B-17's on their early devastating raids over Germany and occupied France. This hour-long documentary film pulls no punches, showing American casualties as well as those of the Luftwaffe, then still in its full effectiveness. The film follows the Flying Fortress crews of the 351st Bombardment Group from the end of their training at a Colorado training field to actual combat over Germany. Gable also acts as narrator. (Jr. High through Adult)

COMMON ANIMALS OF THE WOODS (EBF)

10 minutes—sound $2.00 2
Pictures the squirrel, rabbit, raccoon, porcupine, otter, mink,

Unit Value

beaver, possum, skunk and woodchuck. In each instance the distinguishing characteristics of the animal are shown such as the ability of the beaver to build a dam and the habit of the mother possum carrying her young. (Primary through Jr. High)

COMMON COLD (EBF)

10 minutes—sound $2.00 2
Illustrates vividly the facts known about the common cold, its care, and secondary infections that may grow out of it. Tells the story of a boy who contracts a cold and visits his doctor for treatment and advice.

COMMON FALLACIES ABOUT GROUP DIFFERENCES (McGRAW-HILL)

15 minutes $3.00 3
This film analyzes seven common notions about races, heredity and group differences in the light of known scientific evidence and shows in what way they are all fallacies. By so doing, it firmly establishes such facts as: there is no "French," "Italian," or other race; group differences in behavior are the result of the culture people grow up in, not heredity; the behavior of isolated cases should not be overgeneralized to represent the behavior of a group. (College, Adult.)

COMMUNICATION: STORY OF ITS DEVELOPMENT (CORONET)

11 minutes—sound $2.00 2
Live action scenes and views of many original U. S. inventions help us understand the milestones in the history of the transmission of the spoken and written language. (Intermediate, Junior High)

COMMUNITY GOVERNMENTS: HOW THEY FUNCTION (CORONET)

13 minutes—sound $3.00 3
If a good community government is to function its citizenry must participate. Citizens of Riverside, dissatisfied with their community, look into the advantages and disadvantages of the mayor-council, city manager, and commission forms of government—and learn that the active participation of the people and their cooperation in solving problems of local government, is an integral part of community progress. (Jr. High through Adult)

COMMUNITY SURVEY: THE SEARCH: HARVARD UNIV. (McGH)

27 minutes $4.00 4
Harvard specialists explain how they survey a community to determine its school status and needs.

A COMPASS FOR AGRICULTURE (USDA)

22 minutes—sound—color $1.50 1.5
Reviews a century of crop and livestock reporting by the U. S. Department of Agriculture which has served as a compass guide to the nations ever expanding agriculture (Sen. High, College, Adult)

Unit Value

COMPREHENSION SKILLS (CORONET)

11 minutes—sound $2.00 2
This film suggests that when readers understand how written material is organized, they will gain better comprehension of the ideas it contains. For example, the film shows that paragraphs represent main ideas and that a sequence of paragraphs represents a series of related ideas. Finding topic sentences and learning how to outline are methods in the film to aid in better comprehension of written material. (Inter., Jr. High, Sr. High)

CONCEPT OF FUNCTION (McGRAW-HILL)

16 minutes $4.00 4
A new approach to the concept of function is given here, one which makes the teaching easier for the teacher and the concept clearer for the student. The former ambiguity in the teaching of this concept is eliminated by new and sharper definitions of such expressions as F(x), range, domain and rule. Present confusion between single-valued and multiple-valued functions is completely eliminated by this new method of looking at the concept of function. (Teacher Training)

THE CONGRESS

20 minutes—sound $4.00 4
Presents a dramatic demonstration of the powers and duties of the Congress. The making of law begins with citizens at home concerned with a vital issue. This issue—a community's need for a flood control program—is traced from the action of a local committee to the campaign of a congressman, through debate in a congressional committee, to final action on the Senate floor. (Jr. High, Sr. High, College, Adult)

CONGRUENT FIGURES (KB)

12 minutes—sound $2.00 2
Illustrates the geometric principles of "equal sides and equal angles," and clarifies methods for finding and proving that angles and sides are equal. (Sr. High and College)

CONQUEST OF THE AIR (McGRAW-HILL)

28 minutes $5.00 5
The advent of the American P-51 fighter plane as a successful long-range escort for U. S. Air Force bombers over Germany in 1944 is described, focusing on a series of air battles which broke the back of the Luftwaffe and became the key to the ultimate Allied invasion of Normandy.

CONSERVATION OF ENERGY

27 minutes—sound $5.00 5
Energy traced from coal to electrical output in a large power plant, quantitative data is taken in the plant; conservation law demonstrated for random and orderly motion.

CONSERVATION OF NATURAL RESOURCES (EBF)

10 minutes—sound $2.00 2
Three natural resources hold the center of attention in this film: water power, forests, and farm lands. Early wastes in

Unit Value

the lumbering industry and agriculture are delineated, and the appalling results of these are shown. This is followed by an explanation of steps which have been taken and are now being planned to conserve these resources. Effects of wind and water erosion and unwise farming scenes from the Dust Bowl, and local and federal efforts to check these abuses are shown. (Jr. High through College)

CONSTITUTION AND EMPLOYMENT STANDARDS (IU)

28 minutes—sound $5.00 5

Shows the relationship of the Constitution to wage and hour legislation by recreating the case of the United States vs. Darby Lumber Company. Reviews the background and aftermath of the Fair Labor Standards act of 1938. Shows the role of the Supreme Court. (Sen. High College, Adult)

CONSUMER PROTECTION (CORONET)

10 minutes—sound $2.00 2

The Whites, who buy on the basis of price and appearance alone, often make foolish purchases; but the Kings, who take advantage of information available from both government and private consumer services, are adequately protected in their buying and enjoy the improved standards of living.

CONSUMPTION OF FOODS (EBF)

10 minutes—sound $2.00 2

Presents authentic material concerning food needs and deficiencies of the world's peoples. Standards for caloric intake and a balanced food consumption guide are developed. Adequacy of food consumption in major population regions of the world is analyzed and compared with caloric standard and balanced food consumption guides. Problems related to bringing consumption levels up to desirable standards are posed and ways of solving them are depicted. (Jr. High through College)

CONTROL OF BODY TEMPERATURE (EBF)

11 minutes—sound $2.00 2

By means of laboratory demonstrations, animated drawings, and special photography, phenomena associated with variations of body temperature in animals and man are shown. Foods are designated as the source of body heat, and the roles of nerves, glands and muscles in its control are portrayed. The blood stream is depicted as the distributor of heat, and the function of the hypothalamus is compared to that of a thermostat. (Jr. High through Adult)

CONTROL YOUR EMOTIONS (CORONET)

13 minutes—sound $3.00 3

Here psychological concepts are applied to the practical work of emotional control. Beginning with the stimulus-response pattern, the film interprets control in varying situations as altering the stimulus or changing the response. The important methods of changing either stimulus or response are shown, and many sound simple suggestions for emotional control are presented. Examples of these are: standing off and looking at oneself, not trying to do things too difficult too fast and learning to laugh at oneself. (Jr. High through Adult)

Unit Value

CONTROLLED PHOTOGRAPHIC LIGHTING (IU)

8 minutes—sound—color $2.00 2
Placement of light, quality of light, and lighting ratio are shown. With the use of a mannequin as a model, this film shows the functions of main, fill, background, and accent lights in addition to the effects achieved when the lights are moved to different angles. Shows how to apply this set-up to lighting in television, outdoor pictures, and when using flashbulbs.

CONTROLLING BEHAVIOR THROUGH REINFORCEMENT (McGRAW-HILL)

16 minutes $3.00 3
This film shows that by reinforcing an organism on different schedules, we can control not only how fast it works as any given time, but also the way it distributes that work within a given period of time. These results are demonstrated with pigeons under controlled laboratory conditions, and in an elementary classroom where we watch the varying results of putting the children on different reinforcement schedules. (Teacher Training)

COOKING: PLANNING AND OGANIZATION (YA)

11 minutes—sound $2.00 2
Illustrates a well-ordered kitchen in which the housewife has organized the kitchen equipment and cooking utensils for greatest efficiency in her work. Shows what can happen when the preparation of a meal is attempted without adequate planning, and how such troubles can be remedied by planning and by the use of such devices as the Time-Chart. (Jr. High through Adult)

COPPER NETWORK (BUREAU OF MINES)

23 minutes—color $1.50 1.5
This film shows the importance of copper wire and cable to America's economy. It includes brief sequences on the mining, milling, and processing of copper into bars, followed by scenes of wire-making in which the metal is formed into rods, and then drawn into wire, stranded into huge electric cables, or spun into fine wire for electric motors and small appliances.

COPPER, THE OLDEST MODERN METAL (BM)

25 minutes—sound—color $1.50 1.5
Color photography and animation combine with lucid narration to tell the story of one of the world's most useful metals. The film portrays the current technology in mining, processing and fabrication copper, and to show its many uses today. (Junior, Senior, High-Adult)

CORN FARMER (EBF)

11 minutes—sound $2.00 2
This film gives a clean, concise picture of the problems and methods of the Iowa corn grower, using a typical corn belt family as its model. Depicted are the family's activities in planting, harvesting, and marketing . . . as well as incidental interests such as crop rotation, home canning, and politics. A wonderful teaching film, suitable for geography classes from fifth grade up, and for economics, home economics, and social problems. (Elementary through Sr. High)

Unit Value

CORSICA (FF)

10 minutes—sound $2.00 2
French and Allied landing in Corsica. General de Gaulle's visit to Corsica. Views of the country, customs, dances, and most important cities of Corsica. (Elementary through Adult)

COSMIC RAYS (McGRAW-HILL)

27 minutes—sound—color $5.00 5
Dealing with the mysterious radiations observed on earth and first identified early in this century as a phenomenon originating in outer space, the film relates the study of these cosmic rays to other areas of scientific research especially in the fields of atomic and nuclear physics.

COTTON (EBF)

10 minutes—sound $2.00 2
Tells the story of the making of cotton cloth, from the picking of the boll in southern fields to the packing and shipping of the finished cloth as it comes from the looms of a modern mill. Hand-picking of cotton is contrasted with the work of a modern mechanical picker. The cotton is here shown being ginned and baled, shipped to the mill, where it is carded, spun into yarn and woven into cloth. The operation of each machine is vividly portrayed. (Elementary through College)

COULOMB'S FORCE CONSTANT (PSSC)

34 minutes—sound $5.00 5
Shows a large-scale version of the Millikan experiment. The small charged plates of the original experiment are made very large and the effects are shown of increasing plate area and separation, and adding more batteries to charge the plates. This enables the experimenter to count the number of elementary charges on an object and measure the constant in Coulomb's law of electric force. (High School)

COULOMB'S LAW (PSSC)

28 minutes—sound $5.00 5
Demonstrates the inverse square variation of electric force with distance, and also the fact that electric force is directly proportional to charge. Introduces the demonstration with a thorough discussion of the inverse square idea. Also tests inverse square law by looking for electric effects inside a charged hollow sphere. (High School)

COUNSELOR'S DAY (McGRAW-HILL)

11 minutes $2.00 2
A dramatization of the typical activities of a student counselor is used to show his participation in the school program. Counselor's Day includes a survey of the background and training of a good counselor, and emphasizes the value of varied outside activities to the counselor. (College, Adult)

COUNTERBLAST (McGRAW-HILL)

28 minutes $5.00 5
The film depicts, with startling reality, the RAF Bomber Command's devastating attack on the port city of Hamburg, breeding ground for Nazi submarines, to defeat the German attempt

Unit Value

to starve the British people through unrestricted submarine warfare.

COURTESY FOR BEGINNERS (CORONET)

10 minutes $2.00 2
The fundamentals of courtesy—such as being considerate to a guest, making correct introductions, saying the magic words, please, thank you and excuse me—are presented in a variety of role-playing activities which will delight a young audience. (Primary, Intermediate)

COUNTING ELECTRICAL CHARGES IN MOTION (PSSC)

20 minutes—sound $5.00 5
This film shows how an electrolysis experiment enables us to count the number of elementary charges passing through an electric circuit in a given time and thus calibrate an ammeter. Shows that elementary charges in an electrolysis experiment are identical to those in a Millikan experiment. Demonstrates the random nature of motion of elementary charges, with a current of only a few charges per second. (High School)

COW AND THE SPRITE (CORONET)

10 minutes—sound $2.00 2
From Scotland and Ireland have come some of our most enchanting fairy tales, yet their fame has been limited. This film brings to the screen an adaptation of a charming old folk story that tells of the happiness of a man and of what this happiness is composed. (Primary and Elementary)

COWBOY SMALL (NET)

17 minutes—sound $3.00 3
Jerome, the giraffe, has been playing cowboy. He and the Friendly Giant agree that cowboys live on ranches, not farms; and Friendly knows where to find a cowboy and ranch—in a book, Cowboy Small. With a hat on each ear, Jerome sings a song accompanied by Friendly's pipe. (Elementary)

CRADLE OF RELIGION (HWO)

8 minutes—sound $2.00 2
This film portrays religions as they are practiced in Egypt today. For the first time actual scenes of Moslems at prayer are shown in Egypt's great Mohammed Ali Mosque. Also pictured are one of the world's oldest synagogues, ancient St. Catherine's Monastery at Mt. Sinai where God gave Moses the Law of the Ten Commandments, and the Boutros Ghali church in Cairo, showing members of the Coptic faith attending services. (Jr. High through Adult)

CRASH AND LIVE (FORD)

25 minutes—sound $1.50 1.5
Traces the history of a comprehensive automobile crash program conducted by a major automobile producer, and explains the laboratory experiments that led to the development of recent safety devices to reduce the extent and severity of injuries. Shows actual automobile crashes staged for this research study. (Jun. High, Sr., Col., Adult)

Unit Value

CROP THAT NEVER FAILS, THE (USDA)

9 minutes—sound $2.00 2
This crop is the savings bonds you buy. They are a bulwark against bad times. The film pleads for wise buying and saving rather than thoughtless spending which swells the balloon of inflation. (Jr. High through Adult)

CROSSINGOVER, CHIASMATA, & GENETIC MAPS

30 minutes—sound $5.00 5
Lecture by Dr. G. W. Beadle. (College)

CROSSINGOVER, IN TERMS OF MEIOSIS

30 minutes—sound $5.00 5
Lecture by Dr. G. W. Beadle. (College)

CROWDED OUT (NEA)

29 minutes $1.50 1.5
This is the story of what happens to children and teachers when schools are overcrowded. Suddenly, suburbs become cities, or a new plant grows up—then the children pour in, enrollment doubles and classes overflow into the halls, gymnasiums, churches and basements.

CRUDE OIL DISTILLATION (SHELL)

13 minutes—sound $1.50 1.5
Explains how crude oil may be broken down into its component parts by fractional distillation. (Sen. High, Adult)

CRUSTACEANS (LOBSTERS, BARNACLES, SHRIMP, AND THEIR RELATIVES) (EBF)

14 minutes $3.00 3
Illustrates the structures, functions, and habitats of the most important types of crustaceans, including the fairy shrimp, plankton, barnacles, crabs, lobsters, and crayfish. Concentrating on the crayfish, the film explains processes of foodgathering, reproduction, autonomy, and molting. Discusses the crustaceans' part in maintaining the balance of nature and their economic value to man. (Jr. High, Sr. High, College)

CRYSTALS (PSSC)

25 minutes—sound $5.00 5
Demonstrates the nature of crystals, how they are formed and why they are shaped as they are. Shows actual growth of crystals under a microscope; discusses how they may be grown. Relates these phenomena to the concept of atoms.

CRYSTALS—AN INTRODUCTION (BELL TELEPHONE)

25 minutes—sound—color $1.50 1.5
This film is a classroom teaching aid for introducing the subject of crystals. It demonstrates the orderly arrangement of atoms in the crystalline state and the relation of this arrangement to the physical properties of the substance.

Unit Value

CRYSTAL OF ENERGY (SRF)

30 minutes—sound $1.50 1.5
This film describes the growing, harvesting and processing of sugar cane and sugar beets, the place of sugar in the diet, and the interesting ways in which it enters into the manufacture of non-food products. (Junior-Senior High)

CUBA: THE LAND AND THE PEOPLE (CORONET)

10 minutes—sound $2.00 2
Close relationship between Cuba's tropical climate and the land itself is drawn in this timely picture of modern Cuban life. The Spanish background, the strategic value of the island to American security and the economic ties of Cuban products to the economy of the United States are shown—all in terms of the people of Cuba. (Elementary through Sr. High)

CURING PORK COUNTRY STYLE (USDA)

17 minutes—sound $2.00 2
Shows how to cure pork by the "dry" and "brine" methods. Emphasizes such main essentials as chilling the meat to keep it cold. Using proper amount of ingredients, and giving the meat the proper amount of time to absorb the salt. One sequence shows how to construct a farm smokehouse. (Sr. High through Adult)

CURIOUS COATI (YA)

8 minutes—sound $2.00 2
A simple and amusing animal story for children of the five to eight year old group, describing the adventures of a pair of coatis. The coati (or coatimundi) is a small Central and South American animal related to the racoon. This film can be used to stimulate and develop oral and written language expression. (Primary)

CYTOGENETICS OF OENOTHERA

30 minutes—sound $5.00 5
Lecture by Dr. R. E. Cleland. (College)

CYTOPLASM AND DIFFERENTIATION (PSSC)

28 minutes—sound—color $5.00 5
Guest Lecturer—Dr. Curt Stern, University of California. Explores relationships, direct and delegated, between genes and control of development. Discusses cytoplasmic control of color and development in plants and frogs. Explains genetic control over the pituitary of mice.

CYTOPLASMIC HEREDITY

30 minutes—sound $5.00 5
Lecture by Dr. T. M. Sonneborn. (College)

DAIRY FARM (CORONET)

16 minutes—sound $3.00 3
Setting for this motion picture is the richly productive areas of a small Midwestern dairy farm. With all the fresh charm of the country, this film shows the farmer at work cultivating, har-

Unit Value

vesting, and preparing feed crops; the dairymen feeding the cows, milking and preparing the milk for market; the children helping with the farm chores and learning the active routine of life on a dairy farm. (Primary through Jr. High)

THE DANDIES OF CONSTANTIN GUYS (IND)

12 minutes $3.00 3

Actually, this film is devoted almost entirely to Guys' paintings of women. A better title might be "The Women of Constantin Guys." Baudelaire's analyses of these works provide the film text. Referring to Guys' portrayal of woman, Baudelaire wrote: "She is a deity, a star presiding over all man's conceptions, the mirror of all nature's graces . . ."

DANGEROUS STRANGER (SID DAVIS)

10 minutes—sound $2.00 2

Impresses the child with the need to be on guard against molesters, and not to become friendly with strangers. Dramatizes places and circumstances under which the child may encounter dangerous strangers. (Primary through Adult)

DANIEL BOONE (EBF)

20 minutes—sound $3.00 3

Relieves important episodes in the life of America's best-known wilderness scout, Daniel Boone, revealing the personality traits and experiences which made him outstanding in his field. Portrays Boone's youth in Pennsylvania and North Carolina, where he learned the ways of the wilderness. Traces his activity in the English and Indian Wars, his pioneering adventures in exploring and settling Kentucky, his activity in the Revolutionary War and his final settlement in Missouri, where his reputation as a pioneer and scout became firmly established. (Jr. High through Adult)

DANIEL WEBSTER (EBF)

20 minutes—sound $3.00 3

Traces the development of the qualities and skills which made Daniel Webster a distinguished lawyer, the orator of his day, and a spokesman for American national unity. Portrays the political events which influenced him to be first a states' rights man and defender of the trading interests of New England, and later, the nation's most eloquent advocate of strong national power and unity. (Jr. and Sr. High)

DARE—BIRTHPLACE OF AMERICA (UNC)

20 minutes—sound—color $1.50 1.5

An historical documentary film dealing with the first English colony to America, Sir Walter Raleigh's "Lost Colony," and with Virginia Dare. Also portarys Orville and Wilbur Wright's first power-driven plane flights in 1903-08 at Kitty Hawk. The acceptance of these two "New Worlds" took place in what is now Dare County, North Carolina. Cooperation of the Lost Colony Drama made possible filming of many historic shots. Stock footage of an early Wright Brother's flight and interviews with men who knew the Wright Brothers are also significant. (All Age Groups)

Unit Value

DASHES, HURDLES AND RELAYS (EBF)

22 minutes—sound $3.00 3
The first part of this film is explanation of the dashes—100 meters, 200 meters, and 400 meters. Demonstrations are given in normal speed and slow motion. The second part presents the hurdles and relays. (Jr. High through College)

DATE ETIQUETTE (CORONET)

10 minutes—sound $2.00 2
This film shows how to be socially comfortable during the various steps in dating—asking for a date, the acceptance, calling for the girl, meeting her parents, attending a school event, eating out afterwards, and how to say goodnight. All of these everyday situations are tactfully handled so young people will be encouraged to use good date etiquette and, in turn, gain poise and a greater sense of personal security. (Jr. and Sr. High)

A DATE WITH BRITISH COLUMBIA (CTB)

19 minutes—sound—color $1.50 1.5
The film shows how a family from Seattle enjoy all the facilities for a perfect vacation which they find provided wherever they go. From the garden city of Victoria they head northward along Malahat Drive on the eastern shore of Vancouver Island, stopping en route to take in one magnificent vista after another, to laze on silver sands and to picnic in spots which entice the visitor to stop and stay a while. (Elementary through Adult)

DATING DO'S AND DONT'S (CORONET)

13 minutes—sound $3.00 3
By showing the progress of an idealized date, from the idea, asking and accepting, to the date itself and the final good night, this film raises some important questions regarding dating, and suggests partial answers as guides for discussion. Such questions as "Whom do you choose for a date?" " How do you go about asking for a date?" or "How do you say good night?" help to stimulate free discussion of dating and the problems connected with it. (Jr. and Sr. High)

DAVIS CUP TENNIS, 1954 (U.S. LAWN TENNIS ASS'N)

20 minutes $3.00 3
Shows how the United States tennis team wins the Cup, defeating Australia. Highlights of the play in the interzone final between United States and Sweden, and in the Challenge Round against Australia when Trabert and Seixas defeat Hoad and Rosewall in singles and doubles.

DAY AT THE FAIR (EBF)

10 minutes—sound $2.00 2
Three farm youngsters go to the fair to exhibit their calves and pigs. We see them tending their livestock, watching the judging, and taking in the displays and other sights. One boy wins a prize for his calf and later all three frolic on the midway. (Primary through Jr. High)

Unit Value

DAY IN COURT (ModernTP)

29 minutes—sound $1.50 1.5
Stresses the need for safe and courteous driving. Features Judge Robert Alton Pfaff presiding at the Los Angeles Traffic Court bench. Seven major types of traffic offenders pass before him for sentencing while flash-back scenes show how their inconsiderate driving habits result in property damage, injury, and even death. (Jr. and Sr. High)

THE DAY NORTH AMERICA IS ATTACKED (McGRAW-HILL)

60 minutes $6.00 6
A forceful and realistic depiction of what actually would occur at Continental Air Defense Command Headquarters and other vital installations in the North American defense perimeter on the fateful day of a nuclear attack.

DAY OF THANKSGIVING (YA)

13 minutes—sound $3.00 3
The five members of the Johnson family, typical of all American families, use Thanksgiving as the occasion for adding up all the freedoms and privileges they enjoy under the American way of life. A powerful film on Americanism for all Americans all year 'round (Jr. High through Adult)

DAY WITH ENGLISH CHILDREN (CORONET)

10 minutes—sound $2.00 2
In the town of Bath, your students will spend an entire day with English children . . . a day of breakfast, and school, and classes, and playing cricket, and coming home to study. By the time this film-day is done they'll realize that although these British youngsters have many different customs, they really have a great deal in common with us. (Elementary through Sr. High)

DEATH OF STONEWALL JACKSON, THE (YA)

27 minutes $5.00 5
May 10, 1863, the day on which the death of Stonewall Jackson is a presage of coming disaster for the Confederate forces. Provides an insight into the problems of the war as reflected in this event. (Jr. High through Adult)

DECIMALS ARE EASY (CORONET)

10 minutes—sound $2.00 2
By following an inductive plan, this film teaches that decimals are an integral part of our number system. First they are used as an important element of everyday living. Then, with this background, the film points out and shows what they mean in terms of the whole decimal system of numbers. Slightly more difficult computations are given at the close of the film, summarizing addition, subtraction, multiplication, and division of decimals. (Elementary and Jr. High)

DECLARATION OF INDEPENDENCE BY THE COLONIES, THE (EBF)

16 minutes—sound $3.00 3
The circumstances and results of this historic statement of democratic principles have stirred men's hearts many times and in many places. "Life so dear and peace so sweet" were risked in

Unit Value

the cause of liberty; for some the price was death, but for future generations the prize was freedom. (Jr. and Senior High)

DECLINE OF THE ROMAN EMPIRE (CORONET)

13½ minutes—sound $3.00 3
This film covers the dramatic period of the barbarian invasions, showing the political, social, economic and military forces which hastened the decline of the empire. (Jr.-Sr. High)

DEER AND ITS RELATIVES (CORONET)

10 minutes—sound $2.00 2
Here is an opportunity for students to observe the wide variety of adaptations of members of the same family for living in different parts of the world. The whitetailed deer, the fallow deer, the elk, bactrain camel, dromedary camel, alpaca, llama, and giraffe exemplify the tremendous differences between related animals living under different conditions of environment around the world. (Primary through Jr. High)

DEFEAT OF JAPAN (McGRAW-HILL)

28 minutes $5.00 5
The moving story of the U.S. Air Force's preparation for the mission which began on the island of Tinian, in the Marianas, and ended in the awesome mushroom cloud over Hiroshima, and the ultimate surrender ceremony aboard the U.S.S. Missouri.

DEFENDING THE CITY'S HEALTH (EBF)

11 minutes—sound $2.00 2
Describing the factors which effect the health of cities, this film shows the work of a model city health department. Activities shown include education, gathering statistics, nursing, supervising sanitation, laboratory analyses, child hygiene, and the control of communicable diseases. The role of the individual citizen in a health program is stressed. (Jr. High through College)

DEFENSE AGAINST INVASION (UWF)

12 minutes—sound—color $4.00 4
Walt Disney, through animation and actual photography, explains in an amazingly simple and entertaining fashion how vaccination makes the body immune from disease. (Elementary through Adult)

DEFENSIVE FOOTWORK IN BASKETBALL (EBF)

10 minutes—sound $2.00 2
Wilbur Jones, Basketball Coach, U.C.L.A., teaches the fundamentals of good defensive footwork; proper stance, striding with an opponent, watching, checking, maneuvering him out of position, correlation arm movement with footwork, turning, pivoting and getting into position for taking the ball on the rebound, all illustrated with interesting game shots. (Jr. High through College)

DEFINING DEMOCRACY (EBF)

18 minutes—sound—black and white $3.00 3
The film stresses the importance of defining terms before sarting a discussion on democracy and despotism. Several definitions

Unit Value

are presented to clarify terms used throughout the film. A community is democratic when its citizens share in the making of important decisions and when they can do so through secret elections. The film concludes that if a community works to balance its economy and enlighten its citizens, it can achieve shared power and shared respect. (Sr. High through Adult)

DEFINING THE GOOD READER (CORONET)

11 minutes—sound $2.00 2

Examining the reading habits of three students, this film points out the characteristics of a good reader. It is an over-view of what makes a good reader and permits the student to compare his own level with high standards. Skills which most readers can improve are shown: word recognition, vocabulary, comprehension and a variety of reading speeds. (Intermediate, Jr.-Sr. High)

DEFINITE AND MULTIPLE PROPORTIONS (PSSC)

30 minutes—sound $5.00 5

Here is the evidence on which Dalton based his conviction that matter came in natural units, atoms; the chemical laws of definite proportions demonstrated by electrolysis and recombination of water; and multiple proportions by the quantitative decomposi- of N_2O, NO and NO_2. (High School)

DEFLECTING FORCES (PSSC)

29 minutes—sound $5.00 5

Discusses nature of forces which produce curved paths, brings out concept of centripetal vector acceleration, shows how knowledge of path and mass of an object give information on the force involved.

THE DENTAL ASSISTANT—A CAREER OF SERVICE (USDHEW)

13 minutes—sound—color $1.50 1.5

Aimed directly at the graduating high school girl, and approaching the subject from her point of view, the film highlights the many important chairside duties dental assistants perform in their semiprofessional capacity. The picture will stimulate active interest as it also looks in on future dental assistants now training in classrooms and laboratories to take their place beside America's dentists

DENTAL HEALTH: HOW AND WHY (CORONET)

10 minutes—sound $2.00 2

This film presents a dramatic review of what research and experimentation have done to promote better dental health for the American public. The film brings you an up-to-date report on diet and its relation to the growth and decay of teeth, new sodium fluoride applications, and the latest techniques of oral hygiene. The coveted seal of approval of the American Dental Association has been awarded to this film. (Elementary through Sr. High)

DESCRIBING AN INCIDENT (CORONET)

10 minutes—sound $2.00 2

So often, when we talk to people or write, we want to describe an incident—something amusing or unusual that happened.

Unit Value

Here we have an incident poorly described and the same incident interestingly, completely, colorfully described. This film will stimulate class interest in the development of descriptive ability. (Elementary through Adult)

DESERT VICTORY (BIS)

60 minutes—sound $2.00 2

A very vivid story of the British Eighth Army's smashing victory at El Alamein and its triumphant advance across the desert to Tripoli. (Sr. High through Adult)

DESIGN OF AMERICAN PUBLIC EDUCATION (McGRAW-HILL)

16 minutes—sound $3.00 3

The organizational structure of American public education, first as it might be if it were an 'assembly line' educational process controlled centrally, and as it actually is in a democratic society—constitutional delegation of education to the various states with decentralization and state supervision, a system that develops responsible citizens in a democratic society. (College and Adult)

DESK FOR BILLIE, A (NEA)

57 minutes—color $1.50 1.5

Shows how America's schools open their doors to all children, regardless of wealth or poverty. This effective public relations film can be shown to the public as a background for panel discussions or valuable commentary about the school system in any community.

DEVELOPING FRIENDSHIPS (CORONET)

10 minutes—sound $2.00 2

Most young people want to learn how to make friends—and keep them—and this motion picture sets the stage for acquiring this important social value. It explores the differences in individual capacities for friendliness and helps young people understand the meaning of friendship. Audiences will see how a "teenager" learned to be a friend and how his new attitude led him to appreciate and enjoy persons of many varying backgrounds and personalities.

DEVELOPING RESPONSIBILITY (CORONET)

10 minutes—sound $2.00 2

This appealing story of a boy, and of the dog he wants very much teaches lessons in responsibility that your students will understand and remember. They will realize that although responsibilities often entail hard work, difficult decisions, and missing out on some fun . . . and that a fuller, happier life will be theirs. (Primary through Jr. High)

DEVELOPING SELF-RELIANCE (CORONET)

10 minutes—sound $2.00 2

How dependency grows and how necessary self-reliance is to all successful endeavor and happiness is shown in this motion picture. It analyzes the steps in developing self-reliance as: (1) assume responsibility; (2) be informed; (3) know where you are going; and (4) make your own decisions. A careful distinction is drawn between dependence—which is undesirable—and seek-

Unit Value

ing advice and help, which is part of being intelligently self-reliant. (Jr. and Sr. High)

DEVELOPING YOUR CHARACTER (CORONET)

10 minutes—sound $2.00 2

What good character is and how it can be achieved in order to live more happily and more successfully is brought out in this unusual production. Influences from the home, church, school and friends which mold an individual's character are described and a guide to developing this character is presented. (Jr. High through Adult)

DEVELOPMENT OF COMMUNICATION (EBF)

10 minutes—sound $2.00 2

The most important aspects of the long story of man's human communication are shown. Not only are the devices of communication given, but also the social, cultural, and economic effects upon human living of these devices. (Jr. High through Adult)

DEVELOPMENT OF TRANSPORTATION (EBF)

10 minutes—sound $2.00 2

Transportation developments within the United States during the past one hundred and fifty years. (Jr. High through Adult)

DEVELOPMENT CHARACTERISTICS OF PRE-ADOLESCENTS (McGRAW-HILL)

12 minutes $3.00 3

As the child grows toward maturity, successive stages of development are apparent—each stage has a distinctive pattern of behavior. A study of the daily life of an eight-year-old girl and a nine-year-old boy illustrates the chief development characteristics of pre-adolescents. Their patterns of behavior provide information on developing a curriculum suitable to their needs and educational experiences.

DEVELOPMENT OF INDIVIDUAL DIFFERENCES (McGRAW-HILL,

13 minutes $3.00 3

No two individuals are alike. Differences result from both heredity and environment. This film reviews and illustrates what is known and generally accepted about the relative influence of those two factors. Through a comparison of two brothers, and a study of another family, the three principal ways in which family resemblances in behavior are handed on from generation to generation are demonstrated.

DEVELOPMENTAL GENETICS I

30 minutes—sound $5.00 5

Lecture by Dr. L. C. Dunn (College)

DEVELOPMENTAL GENETICS II

30 minutes—sound $5.00 5

Lecture by Dr. L. C. Dunn (College)

Unit Value

DIAGNOSIS AND PLANNING ADJUSTMENTS IN COUNSELING (McGRAW-HILL)

18 minutes ..... $3.00 — 3
The counselor's diagnosis and treatment of a maladjusted student's emotional problems are used to show the counselor's role in the overall school program and the steps in successful counseling.

DIGESTION OF FOODS (EBF)

10 minutes—sound ..... $2.00 — 2
Both the mechanical and the chemical aspects of digestion are presented in this film, together with their controlling factors. Among the mechanical processes included are mastication, swallowing, stomach contractions, intestinal segmentation, and intestinal peristalsis. Among the chemical processes are the production of saliva and the action of pepsin on albumin, and the production of pancreatic juice and the action of lipase on fats. (Jr. High through College)

DISCOVERING INDIVIDUAL DIFFERENCES (McGRAW-HILL)

25 minutes—sound ..... $4.00 — 4
The methods by which a fifth-grade teacher becomes acquainted with the individual needs and characteristics of the children in her class are displayed in dramatized incidents. The film shows how these techniques are successfully applied in five typical cases and how they might be generally used to supplement the teacher's own experience and resourcefulness.

DISCOVERY AND EXPLORATION (EBF)

10 minutes—sound ..... $2.00 — 2
Uses animated drawings to describe the North American territory involved during the period of discovery and exploration from 1492 to 1700. Shows routes followed by explorers from the old world in seeking new routes to the East, Spanish conquests, and the mid-continent development. (Jr. and Sr. High)

DISCUSSION IN DEMOCRACY (CORONET)

10 minutes—sound ..... $2.00 — 2
In this excellent film a typical group of students learn, through expert advice and their own experiences, the importance of discussion in democracy. This film develops a threefold program for democratic discussion: 1) Preparation, 2) Planning, 3) Personalities. (Jr. High through Adult)

DISTANCE RACES (EBF)

11 minutes—sound ..... $2.00 — 2
Includes races from 1,000 to 10,000 meters and the steeplechase. The style of the distance runner is contrasted with that of the dash man. Slow-motion scenes analyze particular movements. (Jr. High through College)

DISTRIBUTING AMERICA'S GOODS (EBF)

11 minutes—sound ..... $2.00 — 2
Based on a comprehensive study of The Twentieth Century Fund, shows by animated drawings and direct photography why it costs as much as it does to distribute America's goods.

Unit Value

Sequences are devoted to the distribution costs of the producer, wholesaler, retailer, and transportation. Shows how fifty-nine cents out of every purchase dollar goes to pay for the distribution of the article. A final sequence indicates ways in which distributors and consumers can cooperate to reduce distribution costs. (Jr. and Sr. High)

DISTRIBUTING HEAT ENERGY (EBF)

11 minutes—sound $2.00 2

Four sequences of scenes make up the content of this film. First sequence: deals with different kinds of heat sources; second sequence, demonstrates how furnace fuels are burned in coal, oil, and gas furnaces. The third sequence treats the development of home heating from the Colonial fireplace to the modern steam radiator. In the fourth sequence the mechanics of heat transfer by conduction, by convection, and by radiation are explained. (Jr. High through College)

DISTRIBUTION OF FOODS (EBF)

10 minutes—sound $2.00 2

Presents authentic material concerning the technical developments and economic problems in the preservation and transportation of foods. A photographic sequence shows how food transportation and preservation have enormously increased possibilities for distributing perishable foods on a world basis. Illustrates problems of family income, and of maintaining of flow of food from producer to consumer. Animated map backgrounds are used in showing tariffs as barriers to intercontinental movement of foods. (Jr. High through College)

DIVISION IS EASY (CORONET)

10 minutes—sound $2.00 2

This film helps a class to understand division, to know why division is important, and to know what to learn in order to master this basic arithmetical process. The film may be used to introduce the study, to enrich it, or to review it in later grades. By bringing to the class an easily understood problem situation and clear-cut demonstration of division in action, the film helps solve some of the difficult problems in teaching division. (Primary through Jr. High)

DIVISION OF WHOLE NUMBERS (SRA)

29 minutes—sound—color $5.00 5

Explains division as the inverse of multiplication, as set partitioning, and as repeated subtraction; structural properties; and "long" division algorism.

DNA STRUCTURE AND REPLICATION

30 minutes—sound $5.00 5

Lecture by Dr. J. D. Watson (College)

DO BETTER ON YOUR EXAMINATIONS (CORONET)

10 minutes—sound $2.00 2

Four basic rules that students can follow to do better on their examinations are presented in this film. They learn how to cultivate a positive attitude toward tests by understanding the

Unit Value

purposes, objectives and values of examinations. (Jr. and Sr. High)

DOCTOR, THE (EBF)

11 minutes—sound $2.00 2
Portrays the significant role of the doctor in modern society. Follows a child specialist through a typical day's activities—at his office, at the hospital, and at the home of a patient. We see Dr. Cramer giving a young boy a routine physical examination, vaccinating a baby for smallpox, visiting his hospital patients, and diagnosing a case of measles.

DOCTOR SPEAKS HIS MIND (AM. CANCER)

20 minutes—sound $1.50 1.5
Describes various symptoms of cancer, how they may be detected and shows the happy outcome of patients who have sought treatment early. Designed to stimulate interest preceding a talk by a competent medical speaker. (Adult)

DODDER (EBF)

10 minutes—sound $2.00 2
Entire life story of the dodder, one of the best known of the group of parasitic flowering plants, is shown by means of time-lapse photography, accompanied by an explanatory narrative. Among the more impressive features is the presentation of the dodder twining about the host plant. Animation aids in revealing details in the structure and operation of the suckers. The destructive character of this plant is demonstrated, as well as the beauty of the flowers. (Jr. High through College)

DON QUIXOTE BY GUSTAVE DORE (IND)

12 minutes—sound $4.00 4
This film recreates the story of Don Quixote and Sancho Panza by using the illustrations of Gustave Doré. Although Doré made a great many other series of illustrations, he is probably best known for the works presented here.

DON'T BE AFRAID

12 minutes—sound $2.00 2
Tells the interesting story of how a young boy is helped by his mother to overcome his fear of the dark. Points out that many fears have a useful purpose by serving as a warning of danger. Explains how to determine whether a fear is a useful one or not, and how to go about overcoming undesirable fears, such as, fear of dogs, fear of water, and fear of what others might think. (All ages)

DON'T BE A SUCKER (C)

20 minutes—sound $1.50 1.5
Shows the techniques used by Hitler to divide peoples and makes a plea for Americans to be on guard against the same techniques in this country. An outstanding film showing the consequences of racial discrimination. A good message for all democratic people. (Sr. High through Adult)

Unit Value

DON'T GET ANGRY

12 minutes—sound $2.00 2
Explains anger as a natural emotion which cannot be entirely avoided but which can be successfully managed when faced in a mature way. Utilizes animation to show the effects of answer on the function of such organs as the heart and stomach. Reveals physiological changes during the period of excitement, and emphasizes need for the child to release his anger in a controlled manner. (Elementary through Adult)

A DOUBLE IN BLUE FINS (NFBC)

13 minutes—sound—color $1.50 1.5
A DOUBLE IN BLUE FINS follows a tuna-fishing expedition in a specially equipped sport fishing craft provided by the Newfoundland provincial tourist association. This film is full of suspense as it records the prolonged duel between the fishermen and the tireless gladiators of the deep.

DOUBLE PLAY KINGS (OSFS)

30 minutes—sound $2.00 2
DOUBLE PLAY KINGS shows the techniques used in completing double plays as demonstrated by such players as Lou Boudreau, Joe Gordon, Marty Marion, and other well-known players. (Jr. High through Adult)

DO UNTO ANIMALS (USDA)

21 minutes—sound $1.50 1.5
Approved methods of transporting and handling livestock that will reduce yearly loss from injuries received in marketing process. (Sr. High and College)

DO WORDS EVER FOOL YOU? (CORONET)

10 minutes—sound $2.00 2
In simple personal conversation, in screaming newspaper headlines, in radio commercials, printed advertisements, in politics—in every phase of our word-dependent lives—word trickery can have serious consequences. Not only does this simple, effective film story graphically illustrate the nature of the danger, but it lucidly outlines specific precautions for your students to prevent confusion in word meanings. (Elementary and Jr. High)

DO YOU KNOW HOW TO MAKE A STATEMENT OF FACT? (Ind. U.)

27 minutes $5.00 5
Discusses the difference between statements of fact and statements of inference. Emphasizes the importance and consequences of being aware of these differences. Provides numerous examples of statements of fact and inference. Points out how these statements can be distinguished one from the other. Through additional examples, shows that when a person is not aware that there is a difference between fact and inference, he may act as if inference is fact. (College, Adult)

DRAMA OF STEEL (USBureauMines)

30 minutes—sound $1.50 1.5
Traces the history of steel-making from the crude charcoal

Unit Value

furnaces of the ancients to the modern spectacular blast and open-hearth furnaces. (Sr. High and College)

DRAUGHTSMAN OF EVERYDAY EVENTS: DANIEL VIERGE (IND)

12 minutes $4.00 4

Presented here are the drawings of Daniel Vierge, newspaper illustrator best remembered as a reporter of a time before photography had come to be at the service of the press. Vierge chronicled events during the period (1870-1904) through personal observations and rude sketches which at that time were sent in by reporters covering stories all over the world.

DRAWINGS BY DEGAS (IND)

12 minutes $4.00 4

This film presents a collection of Degas' drawings from the Louvre, including the last drawings made when the artist was nearly blind. In this context, Degas reveals his attitude about the women he paints. As he explains: "In showing a back, I want to reveal its character, its age, its position in society." Thus, Degas, "painter of the ballerinas," encloses his dancers in a network of lines in a kind of realism that is never vulgar because it is so precise.

DRAWINGS BY FRAGONARD (IND)

12 minutes $4.00 4

All the drawings of Fragonard kept by the Louvre Museum are shown in this film. This presentation of the art of Fragonard attempts to develop a mood within the viewer which parallels the art being presented: The art of transparency where the delicacy of outlines does not exclude a certain force; the idea of creating a life of ease dedicated to leading where nothing would seem to justify a movement, a gesture, except music.

DRAWING WITH PENCIL (EBF)

10 minutes—sound $2.00 2

Theodore Kautzky, well-known artist, demonstrates effective techniques in drawing a scene with pencil. Photographed as if through the eyes of the artist, the film emphasizes the following important points: general design; thumbnail sketching; preparation of the pencil point; drawing sharp lines; making broad masses; and achieving textures of wood, brick, shingles, stone, and foliage. (Jr. High through Adult)

THE DROPOUT (IFB)

29 minutes—sound $1.50 1.5

This film stresses the hidden causes of dropouts in the family life, in the community, in our educational system. It suggests possible remedies, defines the social, economic and educational losses suffered by the community that does not successfully come to grips with this serious national problem.

DRIVING ECONOMICALLY (GM)

17 minutes—sound $1.50 1.5

Economical driving practices are suggested by a service station operator to a boy who has just received permission to drive the family car alone. Points are made both by the dialogue and by

Unit Value

film sequences which illustrate the suggestions. Emphasis is placed on the fact that certain driving practices contribute to both safety and economy. Specific points covered include care of the car's finish, warming up of engine, proper use of clutch, efficient braking practices and effect of acceleration and speed on tire wear and gasoline consumption. (Sr. High through Adult)

DRY MOUNT YOUR TEACHING PICTURES (McGRAW-HILL)

10 minutes—sound $2.00 2

The use of dry mount tissue and an ordinary iron enables a teacher to mount for classroom use a variety of valuable teaching pictures collected from many sources. This film shows, step-by-step, the simple procedure required for this type of mounting and indicates the number of uses and advantages to the students of still pictures in the classroom.

EACH CHILD IS DIFFERENT (McGRAW-HILL)

17 minutes—sound $3.00 3

Dramatized incidents are used in presenting a study of five fifth-grade children, whose personalities and backgrounds present typical problems. The film explains the importance of the elementary school teacher's knowledge of the complex and different backgrounds of the children, as well as their individual abilities and needs, in order to adjust the teaching program to meet those needs. Correlated with Schorling and Wingo: "Elementary-School Student Teaching."

EARLIEST NUMBERS, THE (Ind. U.)

27 minutes—sound $5.00 5

Shows man's first efforts to count with symbols and the contribution of these efforts to our present number system. Stresses this contribution in terms of the essential elements of modern numeration system: base, place, symbols, zero, decimal point. Through models, demonstrates and explains certain physical methods of writing and reckoning with numbers. (College, Adult)

EARLY AMERICAN CIVILIZATIONS—MAYAN, AZTEC, INCAN (CORONET)

13½ minutes—sound—color $5.00 5

Art objects, ruins, and reconstructions attest today to the highly developed civilizations of early America, and their influences on our own.

THE EARLY DAYS (McGRAW-HILL)

28 minutes $5.00 5

A humorous backward glance at aviation's horse-and-buggy period and serious evaluation of the emergence of the airplane as a military weapon during World War I, narrated by Capt. Eddie Rickenbacker and CBS News Correspondent Walter Cronkite.

EARLY SETTLERS OF NEW ENGLAND (EBF)

10 minutes—sound $2.00 2

Re-enacts the lot of Salem's hardy pioneers about 1626. Types of people; the proximity of their bark wigwams and dugouts to the seashore; their direct dependence upon the sea and the land for

Unit Value

food; the need for mutual assistance; division of labor; care of the sick; problems of crop cultivation; relationships with England; and the background beginnings of American democracy are portrayed. (Jr. and Sr. High)

EARLY SOCIAL BEHAVIOR (EBF)

10 minutes—sound $2.00 2

In this picture the observer sees the manifestations of infant personality in a variety of special settings. Ten different children from eight weeks to seven years of age are studied. Individual differences are emphasized. The social significance of the household is conveyed by scenes which reflect parent-child relationships and interaction between brothers, sisters, and adults. (Sr. High through Adult)

EARNING MONEY WHILE GOING TO SCHOOL (CORONET)

10 minutes—sound $2.00 2

The question of doing part-time work while in school is a common one and this film serves as a guide for students considering outside employment. It shows that work after school can be undertaken if it doesn't interfere with school work and recreation. In addition to providing extra money, part-time work is valuable in many other ways; increasing responsibilities, understanding the relation between job work and school work, learning new skills and learning to get along with people. (Jr. and Sr. High)

EARS AND HEARING (EBF)

10 minutes—sound $2.00 2

Describes the physiology of the human ear by means of graphic animated drawings and remarkable close-up photography of the ear as it is functioning. Portrays accurately how the parts of the ear operate.

EARTH AND ITS SEASONS (KB)

10 minutes—sound $2.00 2

Explains clearly why we have changes of seasons, vernal and autumnal equinoxes, summer and winter solstices. (Elementary through Sr. High)

EARTH IN MOTION (EBF)

10 minutes—sound $2.00 2

This technical film presents the dynamic aspects of the earth as a planet. The earth's sphericity is demonstrated, while rotation is established by star trails and the Foucault pendulum. Proof of the earth's revolution about the sun in respect to stars and by the annual parallax of stars. Concludes with phenomena associated with this revolution, such as, characteristics of orbit, aphelion and perihelion, law of areas, inclination of axis, and seasons. (Jr. High through College)

EARTH SATELLITES (EBF)

17 minutes—sound $4.00 4

The film opens with a dramatic animated sequence of the launching of the world's first satellite, the Russian Sputnik I. It points out that this satellite and the American satellites, which soon followed it, were launched through knowledge

Unit Value

scientists had gained in many years of study. The film shows the two American satellites, the Explorer and the Vanguard, in the process of construction. (Jr.-Sr.-College)

EARTHWORM, THE (UWF)

10 minutes—sound $2.00 2
Detailed biology study showing the worm in natural habitat, then cross-section, using photomicrographs with superimposed diagrams. (Sr. High and College)

EAT FOR HEALTH (EBF)

11 minutes—sound—color $4.00 4
This film introduces a new approach in teaching children to eat a well balanced diet. Using the five fingers of the hand as an always available checkoff device, the film identifies a food group with each finger. These food groups are: bread and butter or margerine; milk and cheese; meat and eggs; vegetables; and fruits. The film shows how Ralph Waller, using this system, learns to eat a balanced diet and has more fun as a result of his better health. Handled in a light and interesting manner, the film is both informative and motivational. (Hygiene)

EFFECTIVE LEARNING IN THE ELEMENTARY SCHOOL (McGRAW-HILL)

20 minutes $3.00 3
In the first-person narrative a fifth-grade teacher tells some of her own experiences in making learning more effective. In her class, teacher and pupil work together on such basic skills as reading, writing, arithmetic, social studies and creative arts, but motivation for their work is strengthened through unit study projects which provide opportunitities for developing other vital skills such as in working together and sharing information. Correlated with Richey: "Planning for Teaching."

EFFECTIVE CRITICISM (CORONET)

10 minutes—sound $2.00 2
Criticism and the application of this criticism is one of our most effective methods of learning. This film is chiefly concerned with the skills of taking criticism well, but it also shows how similar are the skills of giving criticism. Types of criticism and the difference between evaluating criticism and instructive criticism are outlined as a guide towards helping to make things better and to understand the relative value of things we have. (Jr. and Sr. High)

EFFECTIVE SPEEDS (CORONET)

11 minutes—sound $2.00 2
Some students read too fast; others too slowly—because many are unable to vary their reading speeds with relation to their purpose and the difficulty of the material being read. The purpose of the film is to improve the reader's ability to vary his speed and to increase speed within his ability to understand. One of the accepted techniques to achieve this is phrase reading. For graphic effect, other specific skills and exercises are demonstrated in animation. (Intermediate, Jr.-Sr. High)

Unit Value

EGGS (EBF)

11 minutes—sound $2.00 2
Tells the story of egg production on a large commercial egg farm and illustrates the use of technological methods in modern, large scale egg farming. (Primary through Jr. High)

EGYPT AND THE NILE (EBF)

16 minutes—sound—color $4.00 4
This film shows one of the most interesting areas on the vast continent of Africa—the valley of the river Nile, one of the major rivers of the world with a consistent flow northward. This is a complete study of the geography of the area, as well as the social and cultural development of the people, who practice primitive farming on the banks of the river. (Elementary and Jr. High)

EGYPT'S HOLLYWOOD (HWO)

9½ minutes—sound $1.50 1.5
Eight major movie studios are now located in Cairo, film capital of the Middle East, and you'll see actual "on location" shots being filmed. Film production has skyrocketed here in recent years until it is now a leading industry. (Jr. High through Adult)

ELECTRIC COLLISIONS AND STORED ENERGY (PSSC)

28 minutes—sound $5.00 5
Various collisions between two dry ice pucks are demonstrated. Cylindrical magnets are mounted on the pucks producing a repelling force. Careful measurements of the kinetic energy of the pucks during an interaction lead to the concept of stored or potential energy. (Sr. High)

ELECTRIC FIELDS (PSSC)

24 minutes—sound $5.00 5
An electric field discussed as a mathematical aid and as a physical entity; experiments demonstrate (1) vector addition of fields; (2) shielding effect by closed metallic surfaces, (3) the electric force which drives an electric current in a conductor for both straight and curved conductors. Physical reality of fields discussed briefly in terms of radiation. (High School)

ELECTRIC LINES OF FORCE (PSSC)

7 minutes—sound $5.00 5
Shows how to produce electric field patterns using neon sign transformer as high voltage source. Indicates safety precautions. Fine grass seed in the interface between freon film cleaner (or carbon tetrachloride) and mineral oil align themselves to form various electric field patterns. (High School)

ELECTRIC POTENTIAL DIFFERENCE (Part 1)

27 minutes—sound $5.00 5
In part I of this film, the mechanism by which a battery establishes an electric field in a circuit is analyzed and the electric potential energy stored in such a system is measured experimentally and explained theoretically.

Unit Value

ELECTRICAL POTENTIAL DIFFERENCE (Pt. 2) (PSSC)

27 minutes—sound $5.00 5
In Part II, it is shown how the energy transformations in a steady current-carrying circuit can be obtained from measurements of potential difference and electric current, including the energy dissipated internally in the batteries used. (High School)

ELECTROCHEMISTRY (EBF)

10 minutes—sound $2.00 2
Portrays the electrolytic decomposition of hydrogen chloride and the production of electric current from the action of chlorine and hydrogen on platinum. An explanation of the storage battery integrates both processes. Electroplating illustrates participation of electrodes; electrorefining illustrates preferential discharge; and electrolysis of sodium chloride to yield caustic soda illustrates participation of the solvent. The production of aluminum from a molten electrolyte concludes the subject. (Jr. High through College)

ELECTRODYNAMICS (EBF)

10 minutes—sound $2.00 2
Direct photography demonstrates cause and effect, while animation explains the fundamental principles of current electricity and electromagnetism. Galvani's discovery of current electricity; magnetic field about a current carrying wire; magnetic field of a coil; electro-magnets; Rowland's experiment; magnetic hypothesis; recalescence; induction by a magnet; A. C. generator; D. C. generator; induction by an electric current; and transformers are concepts presented. (Jr. High through College)

ELECTROMAGNETIC WAVES (PSSC)

30 minutes—sound $5.00 5
Shows why we believe in the unity of the electromagnetic radiation spectrum. Experiment shows that the radiation arises from accelerated charges and consists of transverse waves that can be polarized. Young's double slit experiment (interference experiment) used in four different regions of electromagnetic spectrum—X-ray, visible light, microwave and radiowave.

ELECTRONS (EBF)

10 minutes—sound $2.00 2
By means of various photographic techniques, including animation, the hypothesis that electricity consists of unit elementary charges is supported by observation of phenomena associated with the conduction of electricity in liquids, gases, and vacuums. Conclusion: that the fundamental unit of an electrical charge is the electron. (Jr. High through College)

ELECTRONS IN A UNIFORM MAGNETIC FIELD (PSSC)

10 minutes—sound $5.00 5
A spherical cathode-ray tube with a low gas atmosphere (Leybold) is used to measure the curvature of the path of electrons in a magnetic field and with reference to the MILLIKAN EXPERIMENT the mass of the electron is determined. Arithmetic involved is worked out with the experiment. (High School)

Unit Value

ELECTROSTATICS (EBF)

10 minutes—sound $2.00 2
This deals with static electricity as fundamental to an understanding of the modern theories of electricity. It explains how positive and negative electrification are produced and by animated drawings shows the part played by insulators and conductors. Explanation of the movement of charges in the electroscope, the Compton electrometer, the static machine and Nature's display of static electricity, lightning. (Jr. High through College)

ELEMENTARY CHARGES AND TRANSFER OF KINETIC ENERGY (PSSC)

25 minutes—sound $5.00 5
An experimental check that electrons do acquire the predicted energy when they move in a vacuum tube for a known distance in a known electric force field. The electrons striking a metal plate cause its temperature to rise. This same temperature rise is produced in an identical plate by using a mechanical source of energy. The predicted electrical energy and the observed mechanical energy are closely the same.

ELEMENTARY SCHOOL (VaStDeptofEdu)

23 minutes—sound $4.00 4
A film for teacher education and public relations. Shows facilities and activities in numerous Virginia elementary schools. Illustrates good physical environment, provisions for health, safety, and for handicapped children. Emphasizes the importance of cooperation between parents and teachers. (College and adult study groups)

ELEMENTS, COMPOUNDS AND MIXTURES (PSSC)

34 minutes—sound—color $5.00 5
A discussion of the difference between elements, compounds and mixtures, showing how a mixture can be separated by physical means. Demonstrates how a compound can be made and then be taken apart by chemical methods with identification of components by means of their physical properties such as melting point, boiling point, solubility, color, etc. (High School)

ELEMENTS OF COMPOSITION (Ind. U.)

27 minutes—sound $5.00 5
Defines and explains melody, harmony, rhythm, and counterpoint to a young audience. Each element is illustrated by the New York Woodwind Quintet. Emphasizes that melody is full of character, the addition of harmony makes music complete, rhythm is of many kinds and can be felt, and listening to counterpoint is like following conversation. Summarizes and contrasts the elements of composition through the playing of a harmonic, rhythmic, and contrapuntal treatment of the melody, Pop goes the Weasel. Music includes the folk melody, Watermelon Song; Guion, Harmonica Player; Telemann, Duet (performed by two young students); Wilder, Fugue, from Quintette for Woodwinds, and excerpts from Dvorak, New World Symphony and Villa-Lobos, Quintette (en forme de Choros).

Unit Value

ELEMENTS OF DESIGN: COMPOSITION (YA)

11 minutes—sound $2.00 2
Discusses composition as one of the basic elements of design, and its function in the art and industry of everyday life. (Jr. High through Adult)

ELEMENTS OF DESIGN: LIGHT AND SHADE (YA)

11 minutes—sound $2.00 2
Discusses light and shade as one of the basic elements of design, and its function in the art and industry of everyday life. (Jr. High through Adult)

ELEMENTS OF DESIGN: LINE (YA)

11 minutes—sound $2.00 2
Discusses line as one of the basic elements of design, and its function in the art and industry of everyday life. Shows the effects achieved by use of straight lines, curved lines, S-shaped lines, circles and their various combinations. (Jr. High through Adult)

ELEMENTS OF DESIGN: SHAPE (YA)

11 minutes—sound $2.00 2
Discusses shape as one of the basic elements of design, and its function in the art and industry of everyday life. Shows the effects achieved by use of circles, squares, rectangles, triangles, and their various combinations. (Jr. High through Adult)

ELEMENTS OF ELECTRICAL CIRCUITS (EBF)

12 minutes—sound $2.00 2
Consists of seven sequences: A—circuits in the home, B—conduction of electrons, C—resistance in a simple circuit, D—current flow in simple circuit, E—electromotive force, F—Ohm's law and its application, G—short circuit and conclusion. (Sr. High through College)

ELEPHANT BABY (EBF)

14 minutes—sound $3.00 3
The story of a baby elephant from its first day in the jungle, through training to graduation day, when the elephant joins the working force of elephants in a teakwood lumber camp in India. Shown against a realistic background, this film is a scientific, yet charming narrative story about domesticated elephants and people who handle them. Primary.

ELEPHANTS (EBF)

11 minutes—sound $2.00 2
Attention is given to elephants' physical features, food, methods of eating, drinking and cleaning themselves. An elephant is put through a series of tests for a circus buyer who engages the trainer to condition two young elephants. They learn to stand on their front and hind feet, sit on barrels, walk a plank, ring a bell, and obey other commands. (Primary through Jr. High)

Unit Value

EL GRECO: THE SECRET OF TOLEDO (IND)

12 minutes $4.00 4
In this commentary on the work of El Greco, the film utilizes the writing of Maurice Barrès to explain the influence of life in Toledo on the style of the artist. In Toledo, El Greco did not forget what he had gained from his Italian studies . . . he remembers, but applies it in quite a different way. It was in Toledo that he abandoned the warm tones of the Italian sun for the pale cold light of the moon.

1104 SUTTON ROAD (Champion Paper)

28 minutes—sound—color $1.50 1.5
Portrays the many attitudes people hold toward productivity and points out that to get more of what is materially important to us, we must first produce more. (College-Adult)

ELI WHITNEY (EBF)

20 minutes—sound $3.00 3
Dramatizes the life story of Eli Whitney, inventor of the cotton gin. Relates incidents which call attention to his dreams and faith in his ideas. Portrays him developing the machine which boomed the economy of the South. Describes Whitney's experiments in designing tools and building machinery for the manufacture of muskets, which became the technical basis for mass production. (Jr. High through Adult)

ELI WHITNEY INVENTS THE COTTON GIN (YA)

27½ minutes—sound $5.00 5
From his desk Walter Cronkite sets the date at May 27, 1793, reporting a rumor that a machine has been invented which will separate the green seeds from cotton. A group of plantation owners in Savannah are saying they cannot buy slaves because of the poor crop situation. At Mulberry Grove, Eli Whitney admits that he has invented a gin. The film reports Whitney's difficulties in getting a patent after his plans were stolen. The vast importance of the cotton gin are pointed out. (Jr. High through Adult)

ELLIPTIC ORBITS (PSSC)

18 minutes—sound $5.00 5
Starting with an elliptic orbit (as of a satellite) and using Kepler's law of areas, this film shows that the gravitational force on the satellite obeys an inverse square relation. The derivation is almost entirely geometric in nature. (High School)

EMANCIPATION PROCLAMATION, THE (YA)

27 minutes—sound $5.00 5
January 1, 1863, the soul-searching hours of President Lincoln preceding his decision to free the slaves. Helps to point up both the moral and historical significance of one of the great events in America's history. (Jr. High through Adult)

E M F (PSSC)

19 minutes—sound $5.00 5
Here it is shown that the energy transfers demonstrated in the preceding film (Elementary Charges and Transfer of Kinetic

Unit Value

Energy) are independent of the geometry of the electrodes in the diode. It is further demonstrated that the energy per elementary charge delivered by a battery (its EMF) depends only on the chemical constitution of the battery. The concept of EMF is extended to describe any device which transforms energy by separating elementary charges. This discussion leads directly to the subject of the next film, Electrical Potential Energy and Potential Difference. (High School)

EMOTIONAL MATURITY

20 minutes—sound $4.00 4
Through the dramatization of a high school boy's immature behavior, this film shows some of the consequences when an adolescent fails to channel his emotions into positive actions and feelings. It illustrates how important it is for adults to understand the increased emotional tempo of adolescence, so they can help young people to develop emotional maturity.

ENCHANTED RIVER, THE (CORONET)

10 minutes—sound—color $4.00 4
Simon the honest woodsman had his choice of a silver axe or a golden axe. He chose neither, and asked only for his own plain axe. This simple story, acted against idyllic settings, becomes an entrancing human tale whose message will impress audiences of all ages. (Kindergarten, Primary, Intermediate)

ENDOCRINE GLANDS (EBF)

11 minutes—sound $2.00 2
Shows the nature and function of the parathyroid, pituitary, pancreas and thyroid glands. Gives the influence of calcium and parathyroid extract on muscular control, the effect of pituitary hormones on egg development, the preparation and use of insulin in the treatment of diabetes, the characteristics of hyper and hypothyroidism, and the stimulation of the mammary gland by pituitary and ovarian hormones. (Sr. High through Adult)

ENERGY AND ITS TRANSFORMATIONS (EBF)

10 minutes—sound $2.00 2
Potential kinetic and radiant energy, as manifested in mechanical, chemical, and thermal form, are vividly illustrated and explained. The principle of conservation of energy, and the concepts "power" and "work" are demonstrated in experiments.

ENERGY AND WORK (PSSC)

29 minutes—sound $5.00 5
Dorothy Montgomery, Hollins College, shows that work, measured as the area under the force-distance curve, does measure the transfer of kinetic energy to a body, calculated from its mass and speed. A large-scale falling ball experiment, a non-linear spring arrangement and a "Rube Goldberg" graphically establish work as a useful measure of energy transfer in various situations. (High School)

ENERGY FROM THE SUN (EBF)

11 minutes $2.00 2
Actual photography of the sun's surface, made at the observatory at Climax, Colorado, is a unique contribution to learning about

Unit Value

our essential star. Shows how the sun produces radiant energy, how man adapts it to his needs, and points toward the direct use of solar energy in the near future. (Middle, Jr. High, Sr. High)

ENGLAND: BACKGROUND OF LITERATURE (CORONET)

10 minutes—sound $2.00 2
Works of Shakespeare, Dickens, Kipling, Conrad and other immortal English poets, novelists and dramatists are presented in this motion picture in terms of the settings that inspired them. The three main areas which their works reflect—London, the English countryside and the sea—are carefully portrayed so they are in keeping with the mood and feeling of the writings themselves. Used for background study, this film helps students understand and appreciate the literature that reflects English life. (Jr. and Sr. High)

ENGLISH AND DUTCH COLONIZATION IN THE NEW WORLD

11 minutes—sound $2.00 2
As the film reconstructs beginning settlements in an English agricultural colony in Virginia, a Dutch trading colony in New York, and a Pilgrim colony in Massachusetts, we learn something of the basic patterns and motives of colonization. (Intermediate, Junior High)

ENGLISH CHILDREN (EBF)

10 minutes—sound $2.00 2
Delightfully portrays typical English family life in the city of York, stressing daily activities of the children. Points out interesting aspects of English home life and presents authentic events in a modern school, on the playground, at a cricket match, and at a grocery store. Concludes with a happy family holiday trip by train to a nearby seaside resort. (Primary and Elementary)

ENGLISH HISTORY: ABSOLUTISM AND CIVIL WAR

11 minutes—sound $4.00 4
Re-enacted are conflicts during the reign of the Stuarts, the Civil War, the Commonwealth and the Restoration, including the evolvement of the concept of limited monarchy.

ENGLISH HISTORY: EARLIEST TIMES TO 1066 (CORONET)

10 minutes—sound $2.00 2
Discusses the building of Anglo-Saxon England, emphasizing the many different peoples and cultures which were its ingredients. Authentic landmarks, and historical materials from 1900 B.C. to 1000 A.D. are blended with brief reenactments of important historical events to give a compressed, yet vivid, panorama of the island of Britain and the assimilative process which was the making of the English nation. (Jr. High, Sr. High, College)

ENGLISH HISTORY: NORMAN CONQUEST TO THE FIFTEENTH CENTURY (CORONET)

10 minutes—sound $2.00 2
An overview of medieval England from the Conquest in 1066 to the decline of feudalism, this film discusses the concept of limited monarchy as the basis of the England form of democracy.

Unit Value

We see some of the many milestones, such as trial by jury and the Magna Charta, that marked the recognition and growth of human rights in Britain. (Junior High, Senior High, College)

ENGLISH INFLUENCES IN THE UNITED STATES (CORONET)

10 minutes—sound $2.00 2

Our American heritage is the gift of many people, but among the strongest influences that have molded our way of life are those that have come from England. This film traces some of the basic influences of the English culture on our own: the idea of democratic action, the body of law; freedom of speech and press, religious tolerance, language and literature, art forms and styles. (Jr. and Sr. High)

ENGLISH HISTORY: TUDOR PERIOD (CORONET)

10 minutes—sound $2.00 2

Covering the period from 1485 to 1603, this film treats the growth of the national state under Henry VII and Henry VIII, with particular emphasis on the reign of Queen Elizabeth and the rise of Tudor England as a leading world power. The film concludes with the flowering of English culture at the height of the Elizabethan period and its successful transplanting in America. (Junior High, Senior High, College)

ENGLISH HISTORY: RESTORATION AND GLORIOUS REVOLUTION

11 minutes—sound—color $4.00 4

Characterized by a conflict of roles between Parliament and Crown after the Restoration, this period resulted in true constitutional monarchy under William and Mary. (Jr., Sr. High)

ENGLISH HISTORY: NINETEENTH CENTURY REFORMS

13½ minutes—sound—color $5.00 5

Covering the period from the First Reform Bill of 1832 to the Third Reform Bill of 1884, this film outlines the legislation which influenced English adjustment to the Industrial Revolution.

ERUPTION OF KILAUEA (USDI)

11 minutes—sound—color $1.50 1.5

Kilauea, Hawaii's youngest volcano, in November 1959, renewed activity with a summit eruption. Thus began the spectacular surface display of the most complete sequence of an eruptive activity yet recorded.

ESCAPE TO THE ROCKIES (NFB)

15 minutes—color $1.50 1.5

This film accompanies a young woman from Chicago on a "package tour" of the Canadian Rockies. It shows the magnificent scenery which such a tour includes and stop-overs as such popular holiday resorts as Jasper National Park, Lake Louise, and Banff. Throughout the film the camera lingers over points of special scenic interest.

Unit Value

ESKIMO CHILDREN (EBF)

11 minutes—sound $2.00 2

Activities of an Eskimo family living on Nunivak Island, off the Alaskan coast. How the Eskimos solve the problems of obtaining food, shelter, and clothing is shown, as well as the tasks of parents and children, their handicraft arts, their recreations, family and community relationships, traditional manners and customs, and the changes resulting from recent outside influence. (Primary through Jr. High)

EVERYDAY COURTESY (CORONET)

10 minutes—sound $2.00 2

Those courteous habits of thought and action which should be used every day are taught by this motion picture. Its theme is that there are certain "skills" involved in courtesy and that the use of these skills allow one to move through many different social situations with a minimum amount of friction and a maximum number of friends. (Elementary and Jr. High)

EVERYMAN'S EMPIRE (USDA)

20 minutes—sound—color $2.00 2

This film deals with the conservation of our natural resources especially in regard to forests and wild life as a part of "everyman's empire." The valuable contribution made by our national forests to the conservation program is colorfully revealed. (Jr. High through Adult)

THE EXACT SMALL THINGS (Ind. U.)

30 minutes—sound $5.00 5

Professor Peterson stresses the importance of knowing the exact names of the parts of life so that they can be introduced to others who have not known them before. He points out that generalizations should be made convincing by supporting evidence, that is with "exact, small things." He illustrates by making specific in meaning such general words and phrases as "wild flowers, birds, making noises," and "some," considering the connections between the way things are seen and felt and the way they are expressed in writing.

EXERCISE AND HEALTH (CORONET)

10 minutes—sound $2.00 2

There is much more to exercise than just building muscles. Ernie was in a run-down condition and sick too often. Jean slouched through life, was awkward and too shy. Hal was "All work and no play" and much too irritable. Yet exercise and participation in athletics helped each of them to overcome a particular difficulty.

EXERCISE FOR HAPPY LIVING (EBF)

11 minutes—sound $2.00 2

Effectively dramatizes the role of exercise in building a strong body and healthy, happy personality. Depicts a boy's keen disappointment at being only a "substitute" on the neighborhood ball team. Portrays his negative attitude toward exercise both in his school gym class and in performing simple tasks around the house. Reveals by means of a dream sequence in animation the healthy effects of exercise upon muscles and thus stimulates

Unit Value

in the body an eagerness to acquire good health habits in exercise. (Primary and Elementary)

EXPERIMENTAL STUDIES IN SOCIAL CLIMATES OF GROUPS (IowaStU)

30 minutes—sound $3.00 3
Shows behavior of groups of boys organized in clubs run on democratic principles, as an autocracy and as a laissez-faire group. Shows responses when groups are changed from one type to another. Graphs and charts give statistics as to group action and reactions. (College and Adult)

EXPLORER LAUNCHING

10 minutes $1.50 1.5
Official motion picture production of the launching of first American Satellite at Cape Canaveral, Florida. Released by U. S. Army Publication Office.

EXPLORING TALENT AT INTERLOCHEN (NMC)

30 minutes—sound—color $1.50 1.5
A beautiful color film of the activities at the National Music Camp at Interlochen. We follow the children through their exciting experiences at the camp. The children make their own reed instruments and enjoy regular camp activities along with their music. (Elementary through Adult)

EXPLORING THE EDGE OF SPACE (McGRAW-HILL)

20 minutes—sound—color $2.00 2
Applications of plastic balloon technology to space reconnaisance at 100,000 feet are demonstrated by venturesome aeronautical engineer, Otto C. Winzen of Minneapolis; interdependence among scientific disciplines is shown.

EXPLORING THE NIGHT SKY (EBF)

10 minutes—sound $2.00 2
This film takes us to the dome of an observatory which is turned and opened so that the camera can concentrate on one section of the sky at a time. The great telescope is shown in close-ups; then the shutter of the dome is opened and a magnificent view of the night sky is revealed through the lens. Stars are recognized by their size, their color and their brightness. (Elementary, Junior High)

EXPLORING THE UNIVERSE (EBF)

10 minutes—sound $2.00 2
Demonstrates the principles and construction of telescopes. Shows by animation the binaries, trinaries, the variables and why they vary, galaxies and galactic rotation. Shows also what will happen to the Big Dipper in 100,000 years and the theory of the expanding universe. (Jr. High through College)

EXPOSURE (IU)

11 minutes—sound—color $2.00 2
Defines proper exposure in terms of film latitude and the brightness range of the subject matter. Light intensity and time are used for definition purposes. By using a table-top set, the film

Unit Value

shows determination of exposure using a photo-electric exposure meter and the setting of the diaphragm and shutter to control the light intensity and the time which it is allowed to expose the film.

EXPRESSION & INTERACTION OF GENES

30 minutes—sound $5.00 5
Lecture by Dr. J. Schultz (College)

EYES AND THEIR CARE (EBF)

10 minutes—sound $2.00 2
Emphasizes the importance of good vision and explains the structure of the eyes and their care. (Jr. High through Adult)

EYES FOR TOMORROW (NSPB)

22 minutes—sound $1.50 1.5
Stresses good general health as a prerequisite for good eyesight. It also deals with the importance of prenatal care as a means of reducing the amount of blindness caused by syphilis and gonorrhea; the conservation of vision among school children; the use of sight-seeing classes for children with seriously defective vision; the necessity for regular eye examinations; methods of treating glaucoma and trachoma; and the eye hazards of industry. (Jr. High through Adult)

FACE OF THE EARTH (EBF)

12 minutes—sound—color $4.00 4
Dramatically reveals the "wearing down" forces on earth in the action of glaciers, frost, landslides, and running water. In contrast are the "building up" forces demonstrated by volcanic lava and buried sea shell fossils in the rock layers. Portrays the Painted Desert, the Petrified Forest, the Grand Canyon, Zion and Bryce Canyons as illustrations of spectacular geologic formations resulting from the unceasing war between the forces of nature. (Jr. High through College)

FACTS ABOUT FILM (IntFlmBur)

10 minutes—sound $2.00 2
Presents information on various kinds of film, what film is, who uses film, how to maintain and repair films, and what causes damage.

FACTS ABOUT PROJECTION (IntFlmBur)

10 minutes—sound $2.00 2
Discusses care and maintenance of equipment, best methods of projection and essential need for preparation in advance of screening.

FAIR EXCHANGE (Sterling)

21 minutes—sound $1.50 1.5
Explains the "do's" and "dont's" in investing money in stock market, how stocks are bought and sold, and how the stock exchange operates.

Unit Value

FALL OF FORT SUMTER (McGRAW-HILL)

27 minutes—sound $5.00 5
Shows the events leading up to the fateful day in April, 1861, when the long dreaded war between the states actually begins.

FALLOUT AND AGRICULTURE (USDA)

24 minutes—sound—color $1.50 1.5
Prepared to provide information on radioactive fallout and its movement through the atmosphere resulting in the exposure of man and his animals to radiation and the contamination of agricultural commodities. Discusses and illustrates the radioactive elements of concern to agriculture and means of protecting against radiation and minimizing the contamination of soil, crops, and other foods.

FALLOUT: WHEN AND HOW TO PROTECT YOURSELF

15 minutes—sound $1.50 1.5
Illustrates in simple terms the cause and effects of radioactive fallout. It describes clearly the preparations which should be made to safeguard lives, and to protect livestock, food and water supplies from contamination.

FAMILY LIFE (CORONET)

10 minutes—sound $2.00 2
"Gee, how do they do it? There go the Millers again, off for another day at Crystal Lake!" Once disorganized and hard pressed, we see how through proper home management of schedules, responsibilities, privileges, and finances, they begin to enjoy life as they should. This film creates an awareness of the happiness to be gained from a well-managed home, and outlines a program for achieving it. Church, school and community groups will find this motion picture especially valuable for youth-adult meetings and group counseling. (Jr. and Sr. High)

FAMILY OF INDIA (YA)

13 minutes—color—sound $4.00 4
A few days with an average middle-class Hindu family of India. Ram Das tells how his family lives—its work, its shopping, its recreation, its education.

FAR WESTERN STATES (EBF)

10 minutes—sound $2.00 2
Describes the economy of the states of Washington, Oregon, California and Nevada, including a brief historical resume of progress made in the use of resources in this great region. Sectional contrasts, with respects to climate, topography, people, and population densities, are shown. Mining, lumbering and agricultural activities are portrayed. (Elementary through Sr. High)

FARM ANIMALS (EBF)

11 minutes—sound $2.00 2
Follows a farmer through a typical day of caring for his animals. Farm scenes include: a newborn calf and colt, young pigs and lambs nursing, a goat and kids frolicking, and the shearing of sheep. Natural sounds are provided. (Primary through Jr. High)

Unit Value

FEDERAL GOVERNMENT: THE PLAN OF ORGANIZATION (CORONET)

13 minutes—sound $3.00 3
Structure and functions of the Federal Government are presented here in a manner designed to give audiences a clear-cut picture and appreciation of its operation. Outlined are the primary divisions of responsibility in government; the reasons for this division and the problems that arise from the many quasi-legislative and quasi-judicial boards and agencies. The importance of understanding these things for maintenance of good efficient, responsive government is stressed throughout the film discussion. (Jr. and Sr. High)

FEDERAL RESERVE SYSTEM (StDeptPubInstr)

15 minutes—sound $1.50 1.5
Graphically explains the purpose and functions of the Federal Reserve System. Shows how the System, growing naturally out of a national need, was devised to meet certain economic conditions. Covers the period from the money panic of 1907 through World War II, emphasizing historical highspots in the System's development as well as important contributions made by several national leaders. (Jr. and Sr. High)

FEDERAL TAXATION (CORONET)

10 minutes—sound $2.00 2
Documenting our entire system of federal taxation, this film lucidly outlines personal and corporation income taxes, excise taxes and taxes on luxuries and special services . . . graphically relating each to the basic questions of 1) How we pay taxes? 2) Why do we pay taxes and 3) What do we get for our tax money? (Jr. and Sr. High)

FEEDING FARM ANIMALS (USDA)

19 minutes—sound $1.50 1.5
Shows the basic principles of feeding farm animals. An experienced farmer gives advice to his neighbor, a young farmer, on what and how he should feed his stock. The "how" and "why" of proteins, carbohydrates, fats, vitamins, minerals and water are graphically illustrated. This film is a lesson in nutrition and of direct value to farmers. (Primary through Sr. High)

FIBERS AND CIVILIZATION (Chemstrand)

27 minutes—sound—color $1.50 1.5
A study of types of fibers from ancient Egypt to the present time. (Jr., Sr. High, Adult)

FIELD TRIP (VaEduDept)

10 minutes—sound—color $4.00 4
Instructions on how to plan and make a field trip using a trip to Dismal Swamp as an example. Made for parents and teachers with the cooperation of the Norfolk County School Board. (College and Adult)

FIELD TRIP TO A FISH HATCHERY (CORONET)

10 minutes—sound $2.00 2
A class takes a film trip to a fish hatchery and they discover the

Unit Value

answer to the following questions: "Why do we have fish hatcheries? What do they look like? What happens there? How do fish live? In this interesting film, you will see fish eggs taken from the female, fertilized, hatched and developed from fry into fingerlings. Important details about the structure of fish and how fish are planted in the streams and lakes are also included. An excellent study in field-trip techniques, conservation, biological science and reading background. (Elementary and Jr. High)

50,000 LIVES (JOHNSON & JOHNSON)

13½ minutes—sound—color $1.50 1.5
This film presents the mouth-to-mouth and mouth-to-airway resuscitation method, is now endorsed by all leading authorities.

FIGHT FOR BETTER SCHOOLS (MOT)

20 minutes—sound $1.50 1.5
The story of how the aroused citizens of Arlington County, Virginia raised their schools from the nation's poorest to a level that Dr. William A. Early, superintendent, calls "an educator's dream." The people of Arlington planned and worked to improve their schools. They expanded facilities by providing additional equipment. The film shows what every town can do when it becomes interested in its school problem.

FILM RESEARCH AND LEARNING (U. of Wisconsin)

14 minutes—sound—black and white $2.00 2
Effectively shows the need for vicarious learner experiences in learning to read. Establishes the merit of a readiness program, showing the value of films through reports made of research projects. Provides the teacher with an answer to the question, "Of what value are motion pictures in teaching?" (Adult)

FINAL PERFORMANCE OF SARAH BERNHARDT, THE (YA)

27 minutes—sound $5.00 5
November 30, 1922, one of the world's greatest actresses defies the approach of death to go on the stage once more, so that she may say goodbye to the public which has adored her. A high point in the history of the American theatre. (Junior High through Adult)

FIND THE INFORMATION (CORONET)

10 minutes—sound $2.00 2
Your students will learn how to find information quickly through this study of many widely used indexes. With Al and Bob, who are preparing an index on atomic energy, they will learn how to use the library card file and such general reference sources as The Reader's Guide to Periodical Literature, Who's Who in America, and The World Almanac . . . each an invaluable aid in efforts to Find the Information. (Jr. and Sr. High)

FINDING YOUR LIFE WORK (M)

20 minutes—sound $3.00 3
Opening with an attractive picture of a boy fishing, this film quickly leads up to the fact that experienced fishermen are particular about their baits. In getting a job, the baits required are personality, training and experience. These points are then discussed: your strong points, weaknesses, likes and dislikes, in-

Unit Value

telligence and accomplishments, hobbies, determination, economic assets, and what you really want to do. A fine film. (Jr. High through College)

FINGERS THAT SEE (NC STATE SCHOOL FOR BLIND)

20 minutes—sound—color $1.50 1.5
The story of the North Carolina State School for the Blind at Raleigh, N. C., showing the training and activities of the students there. (All age groups)

FIRE (EBF)

10 minutes—sound $2.00 2
Describes domestic uses of fire, principles of combustion, nature of fire hazards, and principles of fire-extinguishing. Indicates fire is useful for waste disposal, production of heat for cooking, warmth and light. Explains combustion, regulation of gas and air in a stove, regulation of draft in a coal furnace. Dramatizes home fire hazards, methods for extinguishing fire, and why fire ceases to burn. (Elementary through College)

FIRE PREVENTION IN THE HOME (EBF)

13 minutes—sound $3.00 3
Employs an interesting story treatment to make youngsters aware of important aspects of fire prevention in the home. Demonstrates proper use of matches and of a home-type fire extinguisher. Illustrates careful investigation of electric outlets and of making fire prevention a family matter in which youngsters and parents cooperate. (Primary and Elementary)

FIRE WEATHER (USWB)

20 minutes—sound $1.50 1.5
Shows methods of fire protection, devices for assembling and evaluating weather reports, maps made daily by the forest protection service and the fire weather trucks. (Jr. High through Adult)

FIREMAN (EBF)

11 minutes—sound $2.00 2
The organization and activities of a company of firemen in a modern city. A real fire affords an opportunity to observe the firemen answering the alarm and extinguishing the blaze with the latest type of fire-fighting apparatus. (Primary through Sr. High)

FIRST AID ON THE SPOT (EBF)

10 minutes—sound $2.00 2
Features six common types of injuries or disabilities and the approved first-aid technique. Demonstrates the approved American Red Cross technique for handling each specified case. The film provides demonstrations for caring of wounds, burns, and shock; of splinting, controlling bleeding; and of administering artificial respiration. (Jr. High through Adult)

FIRST AID—Wounds and Fractures (EBF)

10 minutes—sound $2.00 2
Illustrates proper ways of determining the nature and extent of

Unit Value

injuries, summoning medical help, preventing hemorrhage, applying splints, and avoiding shock. (Jr. High through Adult)

FISHERMAN'S BOY, THE (CORONET)

10 minutes—color—sound 4.00 4

Danny's father is captain of a commercial fishing boat, the "Oliver Smith," yet Danny has never been fishing on it. When can he go? When he is a real fisherman, his father tells him, so he can do the work a fisherman has to do on the "Oliver Smith." Danny decides to learn about fishing and with the help of Mr. Brown, who has fished for many years, Danny does learn to fish with a pole from the dock and so earns the right to go out.

FISHING IN NEWFOUNDLAND (NFBC)

22 minutes—color—sound $1.50 1.5

Fishing amidst the grandeurs of Newfoundland, where sport fishing is at its finest and mettlesome trout only serve to whet the angler's appetite for still bigger trophies. For Lee Wulff, internationally famous sportsman, these materialize in endurance testing bouts with giant blue-finned tuna, broad-billed swordfish and fine samples of Atlantic salmon. Advice is given on best techniques of casting and playing, and some reference is made to fishing regulations.

FISHING THE FOOTHILLS PROVINCE (NFBC)

16 minutes—sound—color $1.50 1.5

In the Province of Alberta it's open season the year round for fishing, and the Province's restocking program guarantees a full creel to the visiting fisherman. The film tours fishing grounds in many parts of the Province to show the kind of sport to be had at the toss of a line.

FIVE COLORFUL BIRDS (CORONET)

10 minutes—sound—color $4.00 4

In their natural habitats, five of America's most colorful birds—the goldfinch, cedar waxwing, yellow-headed blackbird, red-headed woodpecker and bluebird have been photographed feeding, nesting, and rearing their young. Kodachrome effectively contracts the dull garb of the female bird with the brilliant plumage of the male. (Elementary and Jr. High)

THE FLAMING SKY (McGRAW-HILL)

27 minutes—sound—color $5.00 5

This unique film about the Northern and Southern Lights explains current scientific theories on the nature of auroras and their relationship to other phenomena in the earth's high atmosphere and the sun.

FLATBOATMEN OF THE FRONTIER (EBF)

10 minutes—sound $2.00 2

Reveals how the early settlers of the Ohio Valley were required to be Farmer Boatmen through their dependence on the soil for livelihood and on the rivers for transportation. Good frontier personalities, speech and music are interwoven throughout. (Elementary through Sr. High)

Unit Value

FLOW OF ELECTRICITY (YA)

10 minutes—sound $2.00 2
This film explains the factors which affect the flow of electricity through a simple electrical circuit, introduces the electron theory and shows the application of a simple circuit in a home situation. The film is built round the inquiries of Betty and Bob. (Elementary and Jr. High)

THE FLOW OF LIFE (McGRAW-HILL)

20 minutes—sound—color $2.00 2
Basic research in the microcirculation of the blood and the capillary beds, with Dr. Benjamin Zweifach of the NYU College of Medicine and his associates.

FLOWERS AT WORK (EBF)

11 minutes—sound $2.00 2
The parts and the physiology of plant flowers are artistically presented by animation. Time-lapse photography interspersed with animation then presents various types of flowers and different methods of pollination. Relation of insects to cross-fertilization of flowers is clearly illustrated. (Elementary through Adult)

FLYING A KITE (EBF)

7 minutes—sound—color $2.00 2
This delightful little film does not give guidance for kite-flying, but it does motivate reading for children in the primary grades. By means of a simple story of happy home and family relations and childhood activities, the child's interest is immediately captured by the familiar, humorous situations: a family picnic, a kite, a pesky old billy goat, and frisky dog who turns out to be a hero.

FOLK SONGS OF AMERICA'S HISTORY (CORONET)

13½ minutes—sound $3.00 3
The examples of folk music from various historical periods and the costumed dramatizations against which they are performed help provide an historical environment for the songs and understanding of the people and places associated with them. Intermediate, Jr. and Sr. High.

FOOD STORE (EBF)

11 minutes—sound $2.00 2
Jack and Ann help their mother with the Saturday marketing in the local self-service store. They see that different wholesalers supply the local store with dairy products, baked goods, and prepared packaged food. The children and other customers line up at the cashier's counter and then they load the groceries in Jack's wagon to carry them home. (Primary through Jr. High)

FOODS AND NUTRITION (EBF)

11 minutes—sound $2.00 2
Animated treatment portrays normal dietary requirements of carbohydrates, fats, proteins, minerals, vitamins and water, (Sr. High through Adult)

Unit Value

FOOLS, DAREDEVILS, AND GENIUSES (McGRAW-HILL)

28 minutes—sound $5.00 5
A kaleidoscopic look at the roaring 20's-aftermath of World War I—an era when the views of men like Charles Lindbergh and General Billy Mitchell on the future of aviation contrasted sharply with the more popular idea that air power could not be considered seriously.

FOOTBALL FOR MILLIONS (OSFS)

25 minutes—sound ..... $2.00 per day
This film is produced primarily for instructing players and officials and to give the fans a knowledge of the football rules. The picture would be fine for assembly programs, civic clubs and instruction for the football squad.

FOR HEALTH AND HAPPINESS (C)

10 minutes—sound—color $2.00 2
Shows the importance of good food and exercise in building strong, healthy bodies, and correct development of the body from babyhood to adulthood, with suggested diets and physical activities. (Jr. High through Adult)

FOR SOME MUST WATCH (AM. LIFE INS.)

30 minutes—sound $1.50 1.5
An absorbing documentary film that tells the dramatic, behind-the-scene stories of the people in a typical American community—the problems that face the community and those who live there. Told and acted by the townspeople themselves. Every incident is true, recorded as it happened. (Sr. High through Adult)

FORCE AND MOTION (CORONET)

10 minutes—sound $2.00 2
Here we see how a boy's curiosity leads him to investigation and comprehension of force, mass, acceleration, and their interrelationships. The film also portrays visually the effects of the basic laws of mechanics and Newton's Three Laws of Motion, and introduces the student to such terms as inertia, momentum and reaction. (Jr. and Sr. High)

THE FORCE OF GRAVITY (McGRAW-HILL)

27 minutes—sound—color $5.00 5
The purpose of this film is to broaden interest in and knowledge of present geophysical research and to describe in specific detail present efforts to increase man's understanding of the way gravity brings order on earth and throughout the universe.

FORCE OF GRAVITY (YA)

10 minutes—sound $2.00 2
Explains the theory of gravity and its observable effects. (Elementary)

Unit Value

FORCES (PSSC)

23 minutes—sound $5.00 5
Introductory to mechanics in general, this film foreshadows later work with various kinds of forces. The Cavendish experiment shows gravitational forces between small objects. Also by means of this experiment gravitational force is compared with electrical force in a simple demonstration. (High School)

THE FOREST (USDA)

28 minutes—sound—color $1.50 1.5
This film, in full color, presents the Forest—in all its beauty and usefulness. Filmed in the northwest, it contains beautiful photography with a minimum of narration, and with music by the Air Force Symphony Orchestra.

FOREST CONSERVATION (EBF)

10 minutes—sound $2.00 2
Strikingly calls attention to the many ways in which man has depleted the forest by greedy and ignorant exploitation for his own gain. Graphically forecasts the dire results of this exploitation if it is continued. Suggests finally what is being done, and must continue to be done, in order to save the forest and its vast resources. (Jr. and Sr. High)

FOUR WAYS TO DRAMA (U. of Calif.)

33 minutes—sound $3.00 3
A short dramatic episode is presented in four versions: for stage, radio, television, and motion pictures. The requirements for each medium are pointed out. (High School through Adult)

FOX AND THE ROOSTER (EBF)

11 minutes—sound—black and white $2.00 2
This charming adaptation of one of Aesop's fables points up the moral that even a clever schemer can be outwitted when good friends help each other. Real animals play all the roles. (Primary and Elementary)

FRACTIONS (Ind. U.)

27 minutes—sound $5.00 5
Presents the history and some of the characteristics of fractions. Sketches and basic principles governing the use of fractions. Shows that a fraction has five meanings. Traces the way in which our present representation of fractions has come to us from Babylonia, Egypt, Greece, Rome, India and Belgium. Compares the properties of rational, decimal and duodecimal fractions. (College and Adult)

FRAMES OF REFERENCE (PSSC)

26 minutes—sound $5.00 5
By means of a variety of experiments on rotating turntables, this film demonstrates the distinction between an inertial and non-inertial frame of reference, and the appearance of fictitious forces in a non-inertial frame. (High School)

Unit Value

FRANCE: BACKGROUND FOR LITERATURE (CORONET)

10 minutes—sound $2.00 2
Students go to the France of Hugo, Balzac, de Maupassant, Dickens and Poe to see for themselves the places where their famous stories were set. Here the words and emotions of France are captured and presented as an authentic background for discussion and special class projects. (Jr. and Sr. High)

FRANCE—Food for Paris Markets (UWF)

20 minutes—sound $3.00 3
How large cities depend upon productive rural hinterlands to supply them with food, is the lesson presented in this film. Paris, the "primate" city of France, is one of the largest four cities on the mainland of Europe. Fortunately it can be reached easily from all parts of the country. And equally fortunate, France has within its borders many areas of fertile land. Hence, France can feed the people of Paris and the rest of the country. It is one of the Western European countries which has achieved a large degree of self-sufficiency in food supply (Elementary through Adult)

FRANCK-HERTZ EXPERIMENT (PSSC)

25 minutes—sound $5.00 5
A stream of electrons is accelerated through mercury vapor, and it is shown that the kinetic energy of the electrons is transferred to the mercury atoms only in discrete packets of energy. The association of the quantum of energy with a line in the spectrum of mercury is established. The experiment retraced in this film was one of the earliest indications of the existence of internal energy states within the atom.

FRANK AND HIS DOG (EBF)

7 minutes—sound—color $2.00 2
Happy home and family relations, familiar and exciting to children, form the basis of this film designed especially to motivate reading in the primary grades. It features the Saturday morning antics and pranks of Penny, the Baxter family dog, who gets into all kinds of mischief. But in spite of scoldings, Penny knows the Baxters love him.

FRANK TENDS THE GARDEN (EBF)

7 minutes—sound—color $2.00 2
This film presents a simple story involving familiar home and family relations familiar and interesting to children. It has been designed to serve as an incentive for reading among primary grade youngsters. It depicts the frolicking good time had by Frank, sister Jean, and their pets as they water the garden and take a shower under the hose. (Primary and Elementary)

FRASER'S RIVER (NFBC)

15 minutes—sound—color $1.50 1.5
This color film describes the effect the Fraser River has had on the social and economic development of British Columbia. It traces the river from its source in the Rocky Mountains to its mouth where the city of Vancouver stands. The influence of the Fraser as a provincial lifeline of commerce and communica-

Unit Value

tion, and as a transportation link with the rest of Canada, is shown.

FRED MEETS A BANK (CORONET)

10 minutes—sound $2.00 2
Fred's introduction to a bank gives the inside story on banking procedures. He learns about handling checks, opening savings accounts and securing loans. His tour behind the scenes takes us through the different departments—all the way from safety deposit rental through bookkeeping. (Elementary)

FREEDOM OF THE AMERICAN ROAD (FORD)

27 minutes—sound $1.50 1.5
Shows how several U. S. communities have gone about removing death hazards from their roads and highways and made them more conducive to careful driving. (Jr., Sr. High, Adult)

FREEDOM TO LEARN (NEA)

27 minutes—sound—color $1.50 1.5
This film shows that modern schools prepare our children to assume their responsibility as a good citizen. It explains that respect for fact, constant search for the truth, and knowledge of the world as it actually is are essential in this preparation.

FREEDOM TO READ (NEA)

14 minutes—sound $1.50 1.5
A member of a community group points out the danger of aiding Communism by having books in the public library which help their cause. The librarian argues that the books be retained in the library. She recalls the words of Jefferson and Voltaire and claims that it is in the democratic tradition that all points of view be considered. The issue is then put to the audience to decide. (Jr. High through Adult)

FREE FALL & PROJECTILE MOTION (PSSC)

30 minutes—sound $5.00 5
The behavior of freely falling bodies is explored from a dynamical point of view, leading to the proportionality of gravitational and inertial mass, the independence of perpendicular components of a motion, and the conclusion that Newton's Law is a vector relationship. Includes a slow-motion study of two balls simultaneously dropped and projected horizontally from the same height, and experiments with a large "monkey gun." (High School)

FREIGHT TRAIN (EBF)

10 minutes—sound $2.00 2
In this film we see the assembling of Fast Freight Train No. 40 and follow it on its journey from Kansas City to Chicago. We meet all the people involved in this operation and find out why freight trains are important in our daily lives. (Primary, Middle)

FRENCH & INDIAN WAR (CORONET)

11 minutes—sound $2.00 2
In addition to showing the causes, highlights, and results of the French and Indian War, the film shows the Albany conference,

Unit Value

Braddock's defeat, the victory for England as Wolfe defeats Montcalm. (Intermediate, Jr. High, Sr. High)

FRENCH CANADIAN CHILDREN (EBF)

11 minutes—sound $2.00 2
Describes the home, school and community life of children in a French-Canadian farm family. Old World influences affecting the speech, manners, and customs of these northern neighbors are striking. (Primary through Sr. High)

FRENCH CHILDREN (EBF)

10 minutes—sound $2.00 2
Provides an interesting and enjoyable visit with a farm family living in Brittany in Western France. Emphasizes family living, showing the work of each member of the family and revealing customs and traditions. Includes characteristic activities in the village school, and a trip to a neighboring town. Offers glimpses of the French countryside including an old castle. (Primary and Elementary)

FRENCH EXPLORATIONS IN THE NEW WORLD (CORONET)

11 minutes—sound $2.00 2
Tracing the pattern of exploration through many famous men, the film shows how these soldier-explorers and missionaries planted the earliest settlements and laid the foundations for French strongholds in the New World. (Intermediate, Jr. High)

FRENCH INFLUENCES IN NORTH AMERICA (CORONET)

11 minutes—sound $2.00 2
The living evidences of the impact of French culture on our own language, dress, architecture, religion and art forms are the theme of this film. Historic locations from Quebec to Louisiana document this influence. (Intermediate, Jr. High, Sr. High)

FRENCH MOROCCO—Desert Nomads (UWF)

20 minutes—sound $4.00 4
This film presents the life of Nomads who are found in some dry-land regions of the world. We see tribes of nomads in the Sahara, south of the Atlas Mountains, wandering from place to place in search of grass for their animals, but always returning to the oasis to exchange their products for agricultural crops. These people, like all desert tribes, are dependent upon the camel for transportation. (Elementary through Adult)

FRENCH REVOLUTION (CORONET)

16 minutes—sound—color $5.00 5
Dramatized episodes in European settings bring vitality to the controversial issues, great personalities, and turbulent events leading to and through the French Revolution. (Jr.-Sr. High)

FRICTION (YA)

11 minutes—sound $2.00 2
This film introduces the student to the nature of friction as a restraining force with which he must contend in everyday life. It explains the ways in which we try to reduce friction when

Unit Value

it is undesirable, and the ways we try to increase it when it is helpful. (Elementary)

FRIENDSHIP BEGINS AT HOME (CORONET)

15 minutes—sound $3.00 3
During adolescence, we grow away from our families. While this process is natural and desirable, it is also difficult and disturbing. The film is directed to the adolescent, stating as vividly and as emphatically as possible the importance of valuing the friendships in the home—the fun of doing things with the family group. Designed for guidance programs, it is useful to home economics teachers and for general groups as well. (Jr. and Sr. High)

FRISKY, THE CALF (CORONET)

10 minutes—sound $2.00 2
The story of a lovable little calf, taking children into the barnyard where they see how the animal is handled. Designed to stimulate youthful interest in the world about them and to provide a background for reading and discussion. (Primary and Elementary)

FROG, THE (EBF)

10 minutes—sound $2.00 2
The entire life cycle of the frog is presented, aided by many stop-motion scenes and microscopic views. The development of the embryo is thus brought to the screen in a continuous scene of only a few seconds. The changes taking place in the tadpole stage are carefully portrayed. (Elementary through College)

FROM ATOMS TO ORGANISMS (AIBS)

28 min.—sound—color $5.00 5
Guest Lecturer—Dr. H. Burr Roney, University of Houston. Portrays current ideas concerning the organization of matter within organisms. Describes biology as a study of the place of atoms, molecules, cells, matter, and energy in the structure and function of organisms.

FROM CREEPING TO WALKING (EBF)

10 minutes—sound $2.00 2
This film illustrating the correlation of abilities continues the study begun in POSTURE AND LOCOMOTION. (Sr. High through Adult)

FROM KITTY HAWK TO CALABASH (NCDCD)

13½ minutes—sound—color $1.50 1.5
This beautiful new film describes the excellent fishing opportunities for any and all kinds of fishermen in the Tar Heel State. While the huge blue marlin might seem to be the real star of the film, opportunities for fresh water fishermen are not left out, either. Within sound of the pounding surf the largemouth bass and many other fresh water fish are found in abundance.

Unit Value

FROM 1900 UNTIL AFTER WORLD WAR I (IND)

12 minutes—sound $4.00 4
This film shows the first years of 20th century France as seen by Forain. Of his work, Forain says: "To tell the story of everyday life, to show the ridiculousness of certain sufferings, the sadness of many joys . . . such is my intention." All that follows has no other aim but to present a statement about a period of history by one of the most cynical of all French draughtsmen.

FROM ONE CELL (AM. CANCER)

10 minutes—sound—color $1.50 1.5
Presents the subject of embryonic, regenerative, and degenerative cell behavior. Beginning with the fertilized egg-cell and proceeding through the various sequences rapidly review the phenomena of generative growth. Then moves on to regenerative growth in the repair and replacement of bodily tissue. Finally, the abnormal growth of cancer is presented. Designed for biology classes. Not recommended for use in general school assemblies. (Sr. High through Adult)

FROM SENTENCES TO PARAGRAPHS (IND)

30 minutes—sound $5.00 5
Professor Edwin Peterson discusses the method of developing the "explaining paragraph." This type of paragraph structure begins with a generalization, statement of fact, or topic sentence, which is expanded with evidence. He shows that, like the fan which must be unfolded, the generalization must be expanded with details.

FROM TOE TO TIP (GP)

10 minutes—sound $2.00 2
A specific film on posture for girls, written as an incentive subject. Bonnie, 14, dressed formally, starts from her home with her escort for a party. She is graceful and poised, and the film cuts back to show the attention she pays to posture. Bonnie, now in gymnasium dress, demonstrates correct posture in motion, reemphasizes it through diagrammed skills, and practices corrective exercises. It is explained that she does these exercises routinely. (Jr. High thru College)

FROM TREES TO LUMBER

14 minutes—sound—black and white $1.50 1.5
Follows the manufacture of lumber from seedling to sawlog and through the mill. Stresses need for sound forest management to guarantee future supply. (Elementary to Adult) (Natural Resources) (Social Studies)

FROM TREES TO PAPER (AM. FOREST PROD.)

13 minutes—sound $1.50 1.5
Shows by dramatic photography and simple diagram how paper is made from trees. It also tells how scientific forest management assures growth of repeated crops. (Elementary through Adult)

Unit Value

FRONTIERS OF FAITH (NAT. ACADEMY FOR ADULT JEWISH STUDIES

27 minutes—sound $3.00 3
An historical portrayal of some of man's efforts to express his religious drives in the form of dance routines—some, highly symbolic, impressionistic, complex expressions; others, simple expressions of awe and faith. (Adult)

FUELS AND HEAT (EBF)

11 minutes—sound $2.00 2
Explains the use of carbon in fuels, the manufacture and storage of carbohydrates by plants, the way coal and oil were produced by nature, and how man extracts them. The process of combustion is portrayed by animation. Describes molecular action in portraying the relation of heat to temperature. Steam and internal combustion engines are explained. (Jr. High through College)

FUN IN FOOD (GATEWAY)

10 minutes—sound—color $2.00 2
This film is dynamic presentation of the food constituents, their sources and their functions, calculated to impel one to think more in terms of the value of a balanced diet. For example, the common sources of calcium are shown, then a visual comparison is made between the value of calcium to our bones, the foundations of our bodies, and the value of foundations to buildings. Care has been taken to illustrate the material with foods in varying budget levels. (Primary through Jr. High)

FUN OF BEING THOUGHTFUL (CORONET)

10 minutes—sound $2.00 2
Behind courtesy, behind all social adjustment, lie the complex skills involved in insight into the motives, tastes and desires of others. We call this insight thoughtfulness and it is expressed in hundreds of small and large ways . . . in speech, silence, action and inaction. Thoughtfulness is shown here to be the intelligent exercise and application of a few social skills: noticing what others like and want—and acting accordingly. (Jr. and Sr. High)

FUN OF MAKING FRIENDS (CORONET)

10 minutes—sound $2.00 2
What are the values of friendships? How do you make friends? How do you keep friends? There are a few points about friendship that are dealt within this unique and helpful production. THE FUN OF MAKING FRIENDS helps teachers guide classes to a realization of what friends are and how easy it is to be friendly. (Elementary)

FUN THAT BUILDS GOOD HEALTH (CORONET)

10 minutes—sound $2.00 2
All children need to learn many different kinds of play—in groups or alone—at active physical activities or at quiet games and pastimes. By presenting a variety of choices of recreation in terms of good times and good health, this film will have a direct effect on the play activities of children. (Elementary)

Unit Value

FUNDAMENTAL OPERATIONS (Ind. U.)

27 minutes $5.00 5
Analyzes modular arithmetic as an aid in understanding the principles of our own, or rational, arithmetic. Through arithmetic modulo five shows the closure, commutative, and identity element principles of rational arithmetic. Identifies the additional associative and and distributive arithmetic principles using our own arithmetic. Demonstrates that the two fundamental operations are addition and multiplication. (College and Adult)

FUNDAMENTAL SKILLS IN A UNIT OF WORK (BAILEY)

20 minutes $4.00 4
Shows how a skillful teacher can arouse the interest of her class and guide them in developing and carrying out a unit of work. In this film, a sixth grade class, having completed a unit of work on ancient civilization, becomes interested in modern means of preserving records of all types. The teacher tells the story of how this unit of work involved learning experiences such as dramatics, rhythms, music, science, arithmetic, and written and oral communication. The use of audio-visual aids is included. (College & Adult)

FUNDAMENTALS OF ACOUSTICS (EBF)

10 minutes—sound $2.00 2
The phenomenon of hearing and the modification of sound between the source and the hearer are emphasized in this film. The specific elements explained or demonstrated are velocity of sound, refraction, range of hearing, lowering intensity, attenuation in air, eliminating high and low frequencies, reverberation and focusing of sound. (Jr. and Sr. High)

FUNDAMENTALS OF DIET (EBF)

10 minutes—sound $2.00 2
Outlines the types of animals with respect to their food habits and the classes of food which man has learned to eat. The uses of food in the human body are shown. Experiments with animals illustrate the results of a number of food deficiencies. (Jr. High through College)

FUNDAMENTALS OF THE NERVOUS SYSTEM (EBF)

16 minutes $3.00 3
Animation and live-action photography trace the fundamentals of the nervous system. Shows the structure of the brain and follows the pathways through the central and the peripheral systems. Several rare experiments are shown in the film. Jr. High, Sr. High.

FUNDAMENTALS OF TENNIS (YA)

20 minutes—sound $2.00 2
Famed tennis player Donald Budge illustrates and discusses the techniques of good tennis. Backhand, forehand and service strokes are carefully analyzed. Special attention is given to correct footwork. (Jr. High through College)

Unit Value

FUNGUS PLANT (EBF)

10 minutes—sound $2.00 2
Emphasis is given to the various mushrooms whose growth and reproduction are illustrated by time-lapse photography and animation. Molds and other fungi are also presented by these same techniques. Their economic importance is indicated. (Elementary through College)

FUR TRAPPER OF THE NORTH (EBF)

10 minutes—sound—color $4.00 4
A vivid and authentic portrayal of the rugged life of the fur trapper in the northern wilds. Depicts his summer and early autumn preparations, and dramatically illustrates autumn and winter trapping activities. Follows through to the coming of spring with the break-up of the ice, and the end of the trapping season. (Elementary and Jr. High)

FURNITURE CRAFTSMAN (EBF)

11 minutes—sound $2.00 2
Describes the roles of the designer and skilled craftsmen in making custom-built furniture. Pattern making, laying out, band sawing, power planing, joining, lathe turning, grooving, gluing, carving, and finishing stages are studied in closeup detail. The interrelation of hand and machine-tool operations and skills required for precision wood-cutting are demonstrated. (Elementary through Jr. High)

GALILEO'S LAWS OF FALLING BODIES (EBF)

6 minutes—sound—black and white $2.00 2
Designed especially to provide perfectly executed experiments related to Galileo's laws. Utilizes techniques of slow motion and freeze through the film medium. Recreates experiments with the inclined plane and freely falling bodies both in the atmosphere and in vacuum. (High School) (Physics)

GARDENING (EBF)

10 minutes—sound $2.00 2
Follows a boy and girl through a garden-raising project from the selection of seeds to the harvesting of the crops. Attention is directed to aspects of soils, growth, role of the sun, insects, pests, and to the various parts of plants used for food—leaves, stems, buds, and roots. (Primary through Sr. High)

GENE STRUCTURE & GENE ACTION

30 minutes—sound $5.00 5
Lecture by Dr. G. W. Beadle (College)

GENES AND CHROMOSOMES

28 minutes—sound—color $5.00 5
Guest lecturer—Dr. Curt Stern, University of California. Reviews mitosis and the arrangement of chromosomes and genes in producing different germ cells. Discusses the work of Sutton, Boveri, Margon, Sturdevant, and Bridges with linkage, crossing-over, and gene mapping.

Unit Value

GENETIC LOADS IN MENDELIAN POPULATIONS

30 minutes—sound $5.00 5
Lecture by Dr. Th. Dobzhansky (College)

GENETICS OF MENDELIAN POPULATIONS

30 minutes—sound $5.00 5
Lecture by Dr. Th. Dobzhansky (College)

THE GENETICS OF RACE

30 minutes—sound $5.00 5
Lecture by Dr. Th. Dobzhansky (College)

GEOGRAPHY OF AUSTRALIA (YA)

11 minutes—sound $2.00 2
A concise treatment of the geography of the Australian continent. (Elementary through Sr. High)

GEOGRAPHY OF YOUR COMMUNITY (CORONET)

10 minutes—sound $2.00 2
We join a boy on his way to school and, with him, discover many things about his community—the relationship between its industries and geography, its farmlands and residential areas, and its rivers and highways. This film encourages children to collect and organize data about their own community. (Intermediate, Jr. High)

GEOLOGICAL WORK OF ICE (EBF)

11 minutes—sound $2.00 2
The major portion of this film is devoted to the story of glaciers, the types of glaciers, formation, glacial movement, gradation and transportation by glaciers, topographical results of glacier activities as evidenced by moraines, eskers, striated and grooved rocks, cirques, hanging valleys and fjords. (Jr. High through College)

GEOMETRY IN ACTION (LF)

10 minutes—sound $2.00 2
Presents a new and exciting aspect of geometry, giving a broader understanding of how it can be applied to nature, the home, work and play. (Sr. High and College)

GEORGE WASHINGTON (EBF)

20 minutes—sound $4.00 4
Brings to life the qualities and skills which made Washington, more than anyone else, the builder of the American nation. Portrays the significant events of his boyhood and his role in the French and Indian Wars. Illustrates his trials and triumphs as military leader and as organizer of the movement to frame the Constitution. Reveals his difficulties and successes as President of the United States. (Jr. High through Adult)

GERMANY: FEUDAL STATES TO UNIFICATION (CORONET)

13½ minutes—sound—color $5.00 5
This film traces Prussia's growth in the 19th century and shows

Unit Value

how, under Bismarck, other German states were brought under its control to form a strong, unified nation. (Jr.-Sr. High)

GETTING A JOB (EBF)

16 minutes—sound—black and white $3.00 3
Through the experiences of Edward Bartly and three of his classmates, this film explores the variety of leads which are open to high school students in search of a job. It also describes how to use the many aids to job hunters such as personal history, the application letter, and the letter of recommendation. (Guidance)

GETTING ALONG WITH PARENTS (EBF)

14 minutes—sound $3.00 3
Takes a close look at the question of mutual respect between teen-agers and their parents. Six High School students decide to visit a night club after the Junior Prom. Their parents oppose the project for different reasons, disclosing varied family backgrounds and attitudes. The film points out that here, as with all problems, there are two sides and that both sides have a right to be heard. (Guidance)

GIFT OF TS'AI LUN—PAPER (HAM)

38 minutes—sound $1.50 1.5
Explains paper-making, beginning with the forests of Canada where oldest spruce trees are used. The early scenes show how paper was first manufactured in China. (Elementary through Sr. High)

GLASS: FROM THE OLD TO THE NEW THROUGH RESEARCH (EBF)

20 minutes—sound—black and white $4.00 4
Unfolds the story of progress in glass and explains how glass contributes to a high standard of living. Identifies major types of glass by providing exciting scenes filmed in glass factories. Shows the specialized departments that direct modern industries such as glass and emphasizes research, the most recent member of the industrial team to attain importance. (High School and Adult) (Economics) (Social Studies)

GLEN WAKES UP (YA)

11 minutes—sound $2.00 2
A dramatic presentation of the importance of being a "good citizen," designed to stimulate a desire to share responsibilities and privileges, and to build desirable attitudes toward the individual's relationships with others in home, school and community. This is the story of Glen, a young boy who begins to feel that everyone has turned against him; of the strange visit he has one night with Mr. X; and how Glen discovers that life holds more pleasure and more satisfaction when he shoulders his share of the responsibilities. (Elementary and Jr. High)

GLOBAL CONCEPTS IN MAPS (CORONET)

10 minutes—sound—color $4.00 4
Through a student's investigation of maps, audiences will get a clear understanding of these globe representations. How these projections have been designed and improved to meet

Unit Value

different uses in the changing world are shown. A simple demonstration of the great circle routes on a polar projection introduces cylindrical, conic and perspective projections with a summary of the practical application of each. (Jr. and Sr. High)

GLOOSCAP COUNTRY (NFBC)

14 minutes—sound—color $1.50 1.5
This rich scenic panorama of Nova Scotia's Minas Basin gives substance to the story of Glooscap, an Indian god who was believed to live on what is now Cape Blomidon and from his mountain retreat to watch over his people in the valleys and forests below. In this film you learn how Cape Split came into being, how Five Islands rose from the sea, why the bullfrog lives in muddy water, and why the beaver drags his tail.

GOING STEADY (CORONET)

10 minutes—sound $2.00 2
Regular dating is a normal step in the progress toward engagement and marriage and should be understood as such. Whether teen-agers realize it or not, "going steady" offers problems and disadvantages, especially for younger teens. So this motion picture raises for discussion such important questions as "When are you old enough to go steady: What disadvantages are there to it? How can you terminate the steady relationship if it seems an unsound one, without hard feelings?" (Jr. and Sr. High)

GOLDEN FOODS (C)

22 minutes—sound—color $1.50 1.5
A visualization of the U. S. Government basic 7 food chart. One-half of the picture is devoted to recipes containing citrus fruits. (All age groups)

GOLDFINCH FAMILY (EBF)

8 minutes—sound $2.00 2
With many vivid and unusual close-ups, this film provides a complete view of the family life of goldfinches—their eating habits, their special way of building a nest, and the ways the parent goldfinches work together to feed and care for their young. The day-by-day growth of the young goldfinches is traced from the time of hatching until they are able to leave the nest and care for themselves. (Primary, Middle)

GOLDILOCKS AND THE THREE BEARS (CORONET)

10 minutes—color $4.00 4
Starring three real bears, this much-loved children's story is retold in a presentation which remains faithful to the incidents and characteristics of the original tale. In addition, suggestions for drawing pictures of scenes from the story and exploring other favorite stories provide children with an incentive for further reading and artwork activities. (Primary)

GOLD RUSH DAYS (CORONET)

13½ minutes—sound $3.00 3
A trip from Vermont to California is a prelude to seeing life in a gold mining settlement, the effect of the gold rush on population growth and prosperity in the West, and the emerging statehood of California. (Intermediate, Jr. High)

Unit Value

GOOD EATING HABITS (CORONET)

10 minutes—sound $2.00 2
When youngsters see how Bill becomes ill because of improper eating habits, they're sure to take a new interest in the proper way to eat. They'll see how important it is to eat slowly, chew foods thoroughly, avoid excessive sweet foods, and why they should eat what is served to them at mealtimes. (Primary)

GOOD SPORTSMANSHIP (CORONET)

10 minutes—sound $2.00 2
Here is a film that not only clearly demonstrates what good sportsmanship is, but motivates a desire on the part of the individual to "be a good sport" himself. Through lively and dramatic story situations, the audience sees a number of examples of individual sportsmanship in action. In these the importance of individual sportsmanship in all phases of daily living is emphasized. (Elementary)

GOOD TABLE MANNERS (CORONET)

10 minutes—sound $2.00 2
Good table manners depend primarily upon attitude. Here this important factor is developed by showing that table manners are a matter of courtesy, consideration for others and common sense. Through an unusual dramatic device in which a 14-year-old boy is brought face-to-face with himself as a young man of 21, audiences will see that they soon will be entering an adult world in which they will be constantly concerned with making a good impression. (Jr. and Sr. High)

GRAMMAR: VERBS AND WAYS WE USE THEM (CORONET)

11 minutes—sound—color $4.00 4
Collaborator: J. N. Hook, Ph.D., Professor of English, University of Illinois. By clever animation the film teaches the essentials of verb forms and what verbs do in sentences. Action and state of being, transitive and intransitive, active and passive voice, indicative, subjunctive, and imperative moods, tense, and the principal parts of the verbs are covered.

GRANDFATHER OF THE BLUE RIDGE (HUGH MORTON)

15 minutes—sound—color $1.50 1.5
A pictorial essay on the highest mountain in the Blue Ridge range, Grandfather Mountain. Gives glimpses of many other scenic objectives of visitors to the mountains of the Tar Heel State, such as Blowing Rock, Craggy Gardens, Roan Mountain, Biltmore House, Linville Falls, Linville Caverns, etc.

GRANDVILLE'S METAMORPHOSES (IND)

12 minutes—sound $4.00 4
This motion picture presents a world of fantasy created by the revengeful caricaturist Grandville. Grandville's intention is quite simply to ridicule the follies of his contemporaries by changing them into beasts in human dress, representing all the foibles of human nature.

Unit Value

GRANT AND LEE AT APPOMATTOX (YA)

27 minutes—sound $5.00 5
Behind the Confederate lines in April, 1865, we see death, starvation, and desertion. The grim situation demands a decision for surrender or guerrilla warfare. General Lee decides for surrender to General Grant. The generals meet and Grant is very generous. The Union celebration is brought to a halt by General Grant's announcement of the assassination of President Lincoln. The two generals' examples of fairness make this an excellent film for young boys. (Junior High through Adult)

GRASSHOPPER, THE: A TYPICAL INSECT (CORONET)

6 minutes—color—sound $2.00 2
One of the most common and widely-known insects in the world is the grasshopper. Its body structure is shown as exemplifying the basic characteristics that identify insects, and its life cycle is studied as typical of those insects which go through a process of incomplete metamorphosis. The need for controlling the grasshopper's destructiveness is also shown. (Intermediate, Jr. High)

GRAVITY (CORONET)

10 minutes—sound $2.00 2
This common but important subject is clearly presented in this film through the medium of a variety of everyday examples that all can understand and appreciate. Students are made aware of the force of gravity and are helped to understand its principles. Attraction in relation to mass and distance and the effect of gravity on our Solar System are demonstrated and explained. "Mutual attraction between all bodies" is also made clear through demonstrations and explanation. (Jr. High)

GRAY GULL THE HUNTER (EBF)

19 minutes—sound $3.00 3
The gripping story of the struggle for existence among the bird life on a rocky Swedish island, with the gray gull in the role of a ruthless marauder. Photographed by ARNE SUCKSDORFF. Other sea birds—the murre, the ring plover, merganser duck, the arctic tern, and the sea mew live in fear of the robber gull. (Primary, Middle, Jr. High, Sr. High, Adult)

GRAY SQUIRREL (EBF)

11 minutes—sound $2.00 2
Portrays the life of this interesting little animal. Baby squirrels are taught to play and climb. Squirrels from age of one week until they are grown are studied. (Primary and Elementary)

GREAT ADVENTURE, THE (RotaryInternational)

29 minutes—sound—black and white $1.50 1.5
Through the media of sight and sound the Rotary story is told in an unique and challenging manner. It will arouse quick interest and stimulate many questions, and explains, to groups unfamiliar with the workings of Rotary, the Object and Purpose of the organization. (College-Adult)

Unit Value

GREAT BRITAIN—Trade and Industry (UWF)

20 minutes—sound $3.00 3
Great Britain became a great world power because of her intensively developed industrial potential, a large highly skilled labor force, a transportation system and shipping facilities which have made it possible to import raw materials and ship out manufactured goods at low cost. The film opens in London, nerve center of the British Empire. An animation sequence locates Britain's industries, natural resources, and transportation facilities. The film presents a British family and follows its varied members as they go about their tasks in shipyards, factories and coal mines. (Elementary through Adult)

GREAT LAKES AREA, USA, (Buffalo, N. Y.) (UWF)

20 minutes—sound $3.00 3
In an intensely interesting fashion, this film demonstrates the fact that industrial centers tend to develop where there is a natural focus of trade routes facilitating the supplying of raw materials and the marketing of finished products. Through the eyes of a group of Sea Scouts, we see the basis for the development of Buffalo at the juncture of the twelve large railroads, the terminus of water routes of supply, and near the source of a limitless supply of cheap electric power. (Elementary through Adult)

GREAT LAKES—HIGHWAY OF COMMERCE (EBF)

22 minutes—sound—color $5.00 5
Depicts the importance of the Great Lakes in the early settlement of America and in the industrial development of regions adjacent to them. Illustrates the role of the Lakes today in transporting lumber, wheat, coal, and iron ore and portrays typical freight-carrying Lake vessels. Emphasizes the significance of the Lakes for the prosperity of America and the well-being of her people. (Middle, Jr. High, Sr. High)

GREAT LAKES—HOW THEY WERE FORMED (EBF)

11 minutes—sound—color $4.00 4
Uses animated drawings and live action photography to depict the work of glaciers in forming the Great Lakes thousands of years ago. Clearly defines the present-day drainage of the lakes and the physical characteristics of Niagara Falls. Photography of the Lakes and of the region around the Falls illustrates topographical changes which are occurring at the present time. (Elementary and Jr. High)

GREAT LAKES: LINK WITH OCEAN SHIPPING (EBF)

12 minutes—sound $2.00 2
Portrays the Great Lakes as a water route between a region of vast natural resources and the Atlantic Ocean. Depicts Niagara Falls and the rapids and islands of the St. Lawrence River as natural barriers affecting shipping between the Lakes and the Atlantic. Shows the Welland and St. Lawrence River Canals in operation and explains how they have helped overcome these barriers. (Elementary through Adult) (Geography)

Unit Value

GREAT NORTHERN TACKLE-BUSTERS (CTF)

10 minutes—sound—color $1.50 1.5
Pike fishing in Northern Ontario. A brief demonstration of casting overhead, side and backhand—opens this film. Advice on methods of retrieving the line is given. Warning against the danger from a pike's teeth, the film shows the proper way to land this fish. (Jr. High thru Adult)

GREECE (MOT)

16 minutes—sound $2.00 2
The film shows the heroic struggles of the people of Greece, both during and since the war, as well as the efforts being made for the reestablishment of economic and political order. (Jr. High through Adult)

GREECE—On Mediterranean Shores (UWF)

30 minutes—sound $4.00 4
By their three level system of farming the people of Greece obtain a large part of their food supply. Their proximity to the sea enables them to augment their food supply by fishing during the season when the land is too dry for farming. A few export crops provide funds with which the people of Greece supplement their relatively poor economy. This is basically the story of a poor people in a poor land, but wringing from the land all that it can

GREEK CHILDREN (EBF)

16 minutes—sound $3.00 3
Daily activities of a boy and girl of Galazidi, a fishing village in southern Greece. Includes a sequence of a trip to Athens in a fishing boat. (Primary through Sr. High)

GROUND WATER (EBF)

10 minutes—sound $2.00 2
The film brings to attention many phenomena that take place below the surface of the earth. Artesian wells, springs, water table, caves, and wells, are explained by animated drawings and illustrated photography. Geysers, sink holes, petrification, concentration of useful minerals, and geode fillings are explained by outstanding examples in the U. S. (Jr. High through College)

GROW YOUR OWN (USDA)

20 minutes—sound $1.50 1.5
This picture sets forth in light vein the essentials of good gardening. Preparation of the soil, how to lay out a garden, planting, transplanting, cultivating, weed and pest control, and watering. A "dream" sequence shows by stop motion photography how plants grow. Closes with a series of humorous "DONT'S" designed to bring home, through exaggeration, the many pitfalls that might mar the success of an amateur gardener. (Elementary through Adult)

GROWING GIRLS (EBF)

13 minutes—sound $2.00 2
Presents the physiological aspect of menstruation. Concluding sequences deal with the personal habits and cleanliness during

Unit Value

the menstrual period, emphasizing the need for rest and relaxation, proper exercise, diet and personal protection. (Jr. High through Adult)

GROWTH AND REPLACEMENT (AIBS)

28 minutes—sound—color $5.00 5
Guest lecturer—Dr. H. Burr Roney, University of Houston. Explains cell growth from the molecular level to whole organisms. Indicates the roles of proteins and enzymes in growth and replacement, and describes how the nucleus directs cell growth and replacement.

GROWTH OF FLOWERS (CORONET)

11 minutes—sound—color $4.00 4
Presents the growth and life of roses, orchids, jack-in-the-pulpits, daffodils and iris. We see all these flowers emerge from the bud and burst into full bloom. (Jr. High through College)

GROWTH OF INFANT BEHAVIOR: EARLY STAGES (EBF)

10 minutes—sound $2.00 2
The activities and responses of an infant seated in a small chair in a photographic dome are recorded. Simultaneous side-by-side projection gives a comparison of the same infant at different ages. There are also animated diagrams. (Sr. High through Adult)

GROWTH OF INFANT BEHAVIOR: LATER STAGES (EBF)

10 minutes—sound $2.00 2
This is a demonstration of the increasing ability of the infant to use his hands in manipulating objects. The growth of the prenatal hand is also shown, by a series of animated drawings. (Sr. High through Adult)

GROWTH OF SEEDS (EBF)

14 minutes $3.00 3
Shows the sources from which plant seeds are obtained. Describes the structure of seeds and shows, by the use of the time-lapse camera, the processes of germination and plant growth. (Jr. High, Sr. High, College)

GUATEMALA—Cross Section of Central America (UWF)

20 minutes—sound $3.00 3
Four hundred years after the Spanish conquest you still hear the ancient Indian languages of the Guatemalans and sense the feeling that time has stood still. The camera places you with these people and you at once feel the physiographic impact of the country upon them. (Elementary through Adult)

GUIDING THE GROWTH OF CHILDREN (McGRAW-HILL)

18 minutes $3.00 3
Through personal experiences, a fifth-grade teacher shows that guiding the growth of the student, as an individual, is the most important part of the teacher's job. The audience sees how this teacher guides several "problem children," placing understanding of individual needs as the most important step in aiding the student. Correlated with Richey: "Planning for Teaching."

Unit Value

GUN FIGHT AT THE O.K. CORRAL, THE (YA)

27½ minutes—sound $5.00 5
A famous gun fight marked the beginning of the end of gunplay in the Southwest, as Wyatt Earp, his brothers Virgil and Morgan, and Doc Holliday kill the Clanton and McLowry gang at the O.K. Corral in Tombstone, Arizona. The Clantons and McLowrys had been trying to provoke a fight, and Ike Clanton had been wearing guns against the law in Tombstone. The Earps and Holliday were tried and acquitted, the judge ruling the homicides in the line of official duty. (Jr. High through Adult)

HALLOWEEN PARTY (EBF)

6 minutes—sound—color $2.00 2
Planned to motivate reading in the primary grades, this interesting little film portrays young children engaged in creative activities in familiar home and school situations. Children love the amusing story of how young Peter, his family, and his dog Waggles survive some rather involved mishaps growing out of their plans and preparations for Halloween. (Primary)

HALOGENS (CORONET)

10 minutes—sound $2.00 2
Laboratory demonstrations present the physical and chemical properties of fluorine, chlorine, bromine and iodine—free and in compound. Slow motion camera reduces the speed of experiments and offers an opportunity to see the most detailed points in each of these important demonstrations. (Sr. High)

HAMILTON-BURR DUEL, THE (YA)

27½ minutes—sound $5.00 5
On July 11, 1804, there is a report that Aaron Burr, Vice President, has challenged Alexander Hamilton to a duel. We learn of the personal conflict that led up to the challenge, and watch Burr and Hamilton prepare for the duel. Hamilton will fire overhead because dueling is against his religious principles. Burr kills Hamilton and public furor forces him into temporary exile. Cronkite alludes to the influence of these two men on American history, and to Burr's subsequent exploits. (Jr. High through Adult)

HAND INDUSTRIES OF MEXICO (CORONET)

10 minutes—sound—color $4.00 4
Beginning with the hand molding of roof tiles, so characteristic of the country, the film takes us through the various steps in the making and decorating of glazed ornamental tile, handmade shoes, silver and jewelry, and the exquisite lacquer work of the Patzcuaro Lake region. Emphasis is not only on the art objects themselves, but also on the place of native arts in the lives of our Mexican neighbors. (Elementary through Adult)

HANDICRAFT TOWN (AFFlms)

10 minutes—sound $2.00 2
Maniago, a small town in northern Italy, is known the world over for the quality of its hand-wrought cutlery. But a tradition that has persisted since the 14th century seemed on the point of dying out until E.R.P. funds restored the flow of coal and steel

Unit Value

to Maniago. Production now is back to pre-war standards. The film includes a generous demonstration of the technique of knifemaking by hand as practiced by one of the world's finest artisans, a native of Maniago. (Sr. High through Adult)

HANDMADE MATERIALS FOR PROJECTION (UNIV.IND.)

19 minutes—sound—black and white $4.00 4
Illustrates how to make projection materials for the 3¼"x4" and 2"x2" slide projectors, the overhead projector and the opaque projector. It shows techniques for lettering, and different methods of coloring materials for use on these projectors. The process for preparing carbonfilm and lifting pictures from magazines to acetate are well handled. (College-Adult)

HARE AND THE TORTOISE (EBF)

11 minutes—sound $2.00 2
This classic Aesop fable comes alive in this charming film. Real animals play all the roles; a sly fox lays the course for the race; a wise old owl acts as judge; and the steady tortoise finally defeats the boastful hare in an exciting finish. Other characters include a squirrel, a goose, a skunk, a rooster and a raccoon. (Primary and Elementary)

HARVEST (BCR)

28 minutes—sound—color $1.50 1.5
This film shows the agricultural assistance program at work in Mexico and other parts of Latin America. (Sr. High, College, Adult)

HARVEST FOR TOMORROW (USDA)

30 minutes—sound $1.50 1.5
Products of the soil of New England and the dairy region of the Northeast. All characters are real farm and village people. Scenes of New England countryside—its orchards, pastures, and valleys. (Elementary through Adult)

HATFIELD-McCOY FEUD, THE (Y.A.)

27 minutes—sound $5.00 5
January 1, 1888, a high point in the bitter feud which involved citizens of Kentucky and West Virginia. A glimpse of the bitterness which developed in local arguments in early America, and a dramatic example of what happens when violence replaces due process of law. (Jr. High through Adult)

HE ACTS HIS AGE (McGRAW-HILL)

13 minutes—sound $3.00 3
This film shows that there are normal, predictable signs of development at every age level in childhood. If we work at how they behave at certain ages, we can give our children the right help at the right time. (College and Adult)

HEART AND CIRCULATION (EBF)

10 minutes—sound $2.00 2
The mechanics of the pulmonary and systematic systems detailed, with delineation of the heart action. Amplified heart beat

Unit Value

sounds. Microscopic scenes of capillary action. Blood pressure and its relation to health. (Jr. High through College)

HELICOPTER, THE (EBF)

11 minutes—sound $2.00 2
The opening scenes of this film point out the unique contribution of the helicopter to transportation: air mail direct to the roof of the post office, crop dusting, surveying inaccessible swamps, and air rescue work, as well as many other chores. But most important of its uses, the film points out, is its eventual utility as a passenger vehicle, combining its ability to fly with the automobile's ability to go directly to and from its destination. (Jr. and Sr. High)

HELP WANTED (BM)

31 minutes—sound $1.50 1.5
Shows the basic principles of First Aid and the general procedures in caring for victims before the doctor arrives. It shows the circulatory system of the human body, methods of stopping bleeding from cut arteries and veins, treatment of shock, proper methods of applying and handling various types of bandages, treatment of burns, artificial respiration, treatment of fractures, and methods of transporting the injured. (Jr. High through Adult)

HELPING THE CHILD ACCEPT THE DO'S (EBF)

11 minutes—sound $2.00 2
Portrays the child learning to live in a world defined by the Do's, and explains how his personality is influenced by the extent to which the Do's are accepted. Illustrates, with life situations, the types of Do's the child must learn to accept: (1) the Do's for personal living, (2) the masculine and feminine Do's, and (3) the Do's for human relations. (Sr. High through Adult)

HELPING THE CHILD FACE THE DON'TS (EBF)

10 minutes—sound $2.00 2
Reveals how the young child meets a world of Don't and how he reacts by conforming in his own distinctive ways—thus forming his own individual personality. Classifies the Don't as (1) those which protect the child from danger, (2) those which restrain him from taking things that belong to others, and (3) those which teach him to respect the rights of others. (Sr. High through Adult)

HENRY WADSWORTH LONGFELLOW (EBF)

20 minutes—sound $3.00 3
Charmingly portrays salient and representative events in the life of Longfellow—events which make secure his unique place in the world of literature. Describes his early love for poetry and his growing full life as teacher, scholar and poet. Interposes selections from his poems and depicts incidents which inspired him to write several of his best known works. (Elementary through Adult)

HERE IS TOMORROW (CO-OP)

35 minutes—sound $1.50 1.5
Shows how men and women working together as neighbors have

Unit Value

built a "people's business," owning streamlined grocery stores and warehouses, and fertilizer factories, insurance businesses, service stations, pipelines, and oil wells. The picture is a testament to the ability of people to help themselves—a sample of the future. An inspiring, effective and encouraging film, for all age levels and groups. (Jr. High through Adult)

HEREDITY (EBF)

10 minutes—sound $2.00 2
Through the use of animated charts and animal picturization, Mendelian laws of inheritance are presented. (Jr. High through Adult)

HEREDITY AND ENVIRONMENT (CORONET)

10 minutes—sound $2.00 2
A sound understanding of the influences that shape our lives is fostered in this motion picture by presenting clear visual examples of heredity and environment at work. Audiences learn the full meaning of heredity which gives us certain basic capabilities, and environment which helps determine the extent and direction of our use of those capabilities. An overview of cultural inheritances, genetics, environmental influences and their interrelationships is presented in a forceful, accurate manner. (Jr. and Sr. High)

HEREDITY AND PRENATAL DEVELOPMENT (McGRAW-HILL)

21 minutes—sound $3.00 3
A description of the growth, subdivision and union of male and female sex cells, of the fertilization of the ovum by the sperm cell, and the prenatal development of an offspring is found in this film. The development of the basic physiological actions in a new-born and the connection between physical and emotional sensitivity in very young children are considered. Correlated with Hurlock, "Child Development."

HEREDITY AND VARIATION

30 minutes—sound $5.00 5
Lecture by Dr. L. C. Dunn. (College)

HERITAGE WE GUARD (USDA)

30 minutes—sound $1.50 1.5
Shows the damage to soil and wildlife that accompanied the winning of the continent by westward migration; the value of such life and current activities in restoration. (Jr. High through Adult)

THE HICKORY STICK (IFB)

29 minutes—sound $1.50 1.5
It provides insight into the building of character in young children and considers the nature of good discipline. The film points out that parents and teachers impart basic feelings about discipline during every moment spent with children; they learn simply by observing how adults handle situations.

Unit Value

THE HIDDEN EARTH (McGRAW-HILL)

27 minutes—sound—color $5.00 5
Examining the history of man's knowledge of the structure of the interior of our planet, and current research efforts and techniques in the field of seismology, the film also suggests how much more needs to be done to unravel the mysteries of our hidden earth.

HIGH CONTRAST PHOTOGRAPHY FOR INSTRUCTION (Univ. of Indiana)

12 minutes—color—sound $4.00 4
Demonstrates the use of high contrast photography for the preparation of 2"x2" and 3¼"x4" negative and positive slides, transparencies, and overlays for overhead propectors and for printing on paper for use in opaque projectors. Shows the basic step of setting up to photograph materials on high contrast film as well as the processing of the film. Illustrates the application of this type of photography in the preparation of instructional materials in a variety of subject-matter areas.

HIGH SCHOOL: YOUR CHALLENGE (CORONET)

12 minutes—sound $3.00 3
This film, by looking back at the high school career of a graduating senior, emphasizes the future importance of a good high school education and the advantages of taking part in extra-curricular activities. It is designed to help handle the drop-out problem and to make high school more meaningful for all. (Jr. and Sr. High)

HIGHWAY NORTH (NFBC)

18 minutes—color—sound $1.50 1.5
A film trip through the interior of British Columbia along Highway 97—romantic link with the days of the Wild West. It follows the route from the Canada-U. S. border to beautiful Lake Okanagan, toward the foothills of the Selkirk range with its relics of the days of the Gold Rush, and to Williams Lake, hub of the Caribou ranching country. From Williams Lake the route moves northward to new vistas, ending finally at Dawson Creek where Highway 97 joins the Alaska Highway.

HINDU FAMILY (EBF)

11 minutes—sound $2.00 2
A story centering around the marriage of a young girl living in the province of Gujaret, India. Dramatically illustrates important aspects of Hindu life including school, home, clothing, and preparation of a meal. Depicts the village goldsmith, potter, and weaver at their work, and emphasizes the role of religious ceremony in the daily lives of the people. (Elementary — social studies)

HISTORY IN YOUR COMMUNITY (CORONET)

15 minutes—color—sound $4.00 4
History is all about us. A number of eighth grade students discover this when they begin to look, read, and ask about the history of their community. An old elm tree, an abandoned well, and early tombstone inscriptions assume historical significance

Unit Value

as the students learn that their community's history is part of the history of our country. Their method of historical exploration can be adopted by any group—in any community. (Intermediate, Jr. High)

HISTORY IN YOUR COMMUNITY (CORONET)

13½ minutes—sound—black and white $3.00 3
An old elm tree, an abandoned well, and early tombstone inscriptions assume significance when an eighth grade class has a practical lesson in history by investigating the history of their community. (Intermediate, Jr. High)

HISTORY OF THE HELICOPTER (Shell)

25 minutes—sound $1.50 1.5
This film traces the development of the helicopter from the visionary drawings of Leonardo da Vinci to today's troop-carrying giants. This history is made possible by the use of old newsreel material and films from private collections. (Jr.-Sr. High, Adult)

HOFFMAN'S FAREWELL TOUR (AFFlms)

9 minutes—sound $1.50 1.5
After two and a half years as administrative head of E.C.A., Paul Hoffman retired from that post late in 1950. This film documents a three-week inspection tour to eight of the Marshall Plan nations to see at first hand the effectiveness of his organization's activities. (Sr. High through Adult)

HOLLAND—Land Behind the Dikes (UWF)

20 minutes—sound $4.00 4
In lowlands by the sea, it is possible to enlarge farming areas by draining off the water and reclaiming the land. Small densely populated countries have found this practice to be advantageous. In this picture, we study how these principles apply to the Netherlands, a low country, nearly half of whose area is below sea level. The Dutch people have been working hundreds of years making new land by draining swamps, shallow lakes, and even the sea itself. The reclaimed land, known as Polderland, is very productive. Farm products often move to market by boat on the canals. The land has been drained by dikes, canals and windmills. Today, modern pumping stations are replacing the more picturesque windmills. (Elementary through Adult)

THE HOLY LAND: BACKGROUND FOR HISTORY AND RELIGION (CORONET)

11 minutes—sound—color $4.00 4
Adding enrichment to the study of the geography, history, and literature of ancient Palestine, this film presents scenes where important events took place. (Jr. High, High School)

HOME COOKERY OF FISH (EBF)

10 minutes—sound $2.00 2
Shows three basic methods of cooking fish in the home: boiling, broiling, and baking. Fish used demonstrate the various ways in which fish are marketed: fillets, steaks and whole fish. The fish selected represent types from the Atlantic, the Pacific and the

Unit Value

Great Lakes. Methods for wider distribution over all parts of the U. S., such as refrigerated transportation and quick freezing, are depicted. Emphasis is laid upon a variety of materials and kitchen equipment to inform students of what is available and to stimulate classroom discussion. (Jr. and Sr. High)

HOME ELECTRICAL APPLIANCES (EBF)

11 minutes—sound $2.00 2
Explanation of the common heating and motor appliances in the home. Animated drawings illustrate alternating currents throughout, while scientific principles are stressed. (Jr. High through Adult)

HOME MANAGEMENT: WHY BUDGET (YA)

11 minutes—sound $2.00 2
Discusses the importance of the budget to individuals and families of all income levels. Explains what the budget is, how it is set up in relation to needs and income, and what is to be gained by following a well-planned budget. (Jr. High through Adult)

HOME NURSING (EBF)

10 minutes—sound $2.00 2
Demonstrates, in practical fashion, the proper procedures in caring for the sick in the home. Describes how to arrange the bed, how to bathe and move the patient in bed, and the importance of making the patient generally comfortable. Explains techniques of taking and recording temperature, pulse, and respiration rates; giving medication, and feeding the patient during convalescence. (Jr. and Sr. High)

HONEST WOODSMAN (CORONET)

10 minutes—sound $2.00 2
This is a Grecian-moral folk-tale of an honest woodsman and his meeting with the god, Mercury. Translated by the Coronet puppeteers. (Primary and Elementary)

HONEY BEE (EBF)

11 minutes—sound $2.00 2
Describes the development of the honey bee with due emphasis upon the role of the workers, the queen, and the drones. Egg, larva, and cocoon stages in the lives of the workers are shown in detail. The building of a new cone and honey making follow in natural sequence. (Jr. High through Adult)

HOPI INDIAN (CORONET)

10 minutes—sound $2.00 2
We are taken to the land of the Hopi in Arizona's Grand Canyon where we see his way of life—the crops he raises, the food he cooks, and even his secret marriage ceremony. Here is the rare opportunity to observe a typical Indian pursuing his work and performing his ceremonies against the background of his western home. (Elementary)

Unit Value

HOPI INDIAN ARTS AND CRAFTS (CORONET)

10 minutes—sound—color $4.00 4
To continue the study of the Hopi Indians, this film centers on his distinctive handicrafts. Weaving, silversmithing, basket making and pottery making are all shown in detail. This film is a record of the skill and patience required in these rapidly disappearing native arts. (Elementary)

HOUSE-FLY (EBF)

10 minutes—sound $2.00 2
The complete story of this common but extremely dangerous pest. The four stages of the fly's life cycle are shown—egg, larva, pupa, and adult. Its activities as a carrier of disease germs are presented vividly. The picture illustrates effective means for eliminating the fly menace. Special emphasis is laid on community action. (Jr. High through Adult)

HOUSE I LIVE IN, THE (YA)

10 minutes—sound $1.50 1.5
An Academy Award picture starring Frank Sinatra. Skillfully develops the theme of understanding religious and racial problems. A group of boys find common interests through the leadership of Sinatra who sings two songs. (Primary through Adult)

HOW A BILL BECOMES A LAW (PF)

20 minutes—sound $3.00 3
Laws, as created by our legislative body, administered by our executive body and applied by our judicial, are part of each citizen's life. How many of us, however, know exactly how a law is made? Where does it originate, through what procedure does it go, and what makes it a "law of the land?" Each step is sharply defined, illustrated, and visualized. All possible ways of creating new laws are demonstrated. This film is a must for all high school students. (Jr. and Sr. High)

HOW BIG IS AN ATOM (Ind. Univ.)

27 minutes—sound $5.00 5
Discusses the importance of knowing whether or not atoms really exist and determining their exact size. Reviews the many different but precise and identical determinations of the size of atoms. Presents several demonstrations of the size of atoms relative to what can be seen. Suggests that the world of the atom is not as far away as we may have believed. (College, Adult)

HOW DO YOU DO (YA)

15 minutes—sound $3.00 3
Points out how we have more enjoyment out of life by being sure of ourselves in social situations and demonstrates the rules to be observed in one such situation—introducing and meeting people. (Elementary through Sr. High)

HOW DO YOU KNOW IT'S LOVE (CORONET)

14 minutes—sound $3.00 3
When it comes to defining the term "love" there is much halting and disagreement. What is the nature of love? How does it grow

Unit Value

and develop in an individual? How can you tell when a love is mature? This film gives students of every age a basis for thinking clearly about love and shows clearly that mere conviction of love is not enough to insure lasting happiness. (Sr. High)

HOW DO YOU STAND? (MTP)

15 minutes—sound—color $1.50 1.5
This film is a lesson in good posture and its relation to body structure, proper growth, and avoidance of fatigue. It includes tips on sitting correctly at home, in industry and when driving. (Jr.-Sr. High thru Adult)

HOW DOES MY CHILD LEARN TO READ? (NCEA)

28 minutes—sound $1.50 1.5
A candid appraisal of teaching by teachers themselves as they examine the effectiveness of their efforts and the recognition and payment they get for them.

HOW FRIENDLY ARE YOU? (CORONET)

10 minutes—sound $2.00 2
The ways that young people cultivate friends are often obscured by the artificial bonds of belonging to a clique or school "crowd." So this motion picture sets out to present some of the values of being friendly and encourages the broadening of one's range of friends. Friendliness is shown to be a two-way proposition involving generosity, consideration and a sincere interest in other people. (Jr. High)

HOW GOOD ARE OUR SCHOOLS? (NEA)

28 minutes $1.50 1.5
This film, based on Dr. James B. Conant's best-seller "The American High School," shows what every secondary school should be equipped to do, by taking you into two excellent comprehensive high schools—one in Oakland, California, the other in Labette County, Kansas. The schools provide for the varied interests of all the students in their communities.

HOW HONEST ARE YOU? (CORONET)

14 minutes—sound $3.00 3
Students usually understand that honesty is a good thing; they don't have much trouble with simple honesty. But in some situations, honesty is a much deeper problem and it is this type of situation that is analyzed in this film. From it audiences are able to draw certain conclusions about what honesty is and how a person may apply the test of honesty to his thoughts and actions. (Jr. and Sr. High)

HOW MAN MADE DAY (CORONET)

10 minutes—sound $2.00 2
From primitive to modern times, this film traces the development of illumination. It is the story of how man learned to reduce the heat and increase the light of fire, improving his method of illumination until he could flood homes and cities with an artificial light that turned night into day. (Elementary)

Unit Value

HOW MUCH HOMEWORK IS ENOUGH? (NCEA)

28 minutes—sound $1.50 1.5
Parents and teachers put their heads together in a search for answers to such problems of education as the new emphasis on science and the proper amount of homework.

HOW NATURE PROTECTS ANIMALS (EBF)

10 minutes—sound $2.00 2
This film presents and describes various ways by which animals are provided with devices to conceal themselves, either for the purpose of protection, or as a means of securing food. Examples are given of natural protection through fleetness of foot, mimicry, protective coloration, armor and secluded homes. (Elementary through College)

HOW TO ADD FRACTIONS (JOHNSON-HUNT)

10 minutes—sound—b&w $2.00 2
This film will enrich the mathematics curriculum of any school. Elementary teachers and pupils will be delighted with the media used in creating this film. It covers the subject matter area of: the meaning of numerator and denominator; adding fractions that are alike; how to add fractions that have different denominators. It is highly adaptable for remedial work and is recommended in making fractions come to life. (Elementary)

HOW TO BE WELL GROOMED (CORONET)

10 minutes—sound $2.00 2
Don and Sue are two young people anyone would look at and want to know. This film shows how they improve their personal appearance through attention to good grooming habits. It demonstrates to students the four fundamentals of good appearance; good health, good posture, cleanliness, and neatness. With Don and Sue as living models, they realize that, in friendships and in business, success depends a great deal on how you look. (Jr. and Sr. High)

HOW TO CONDUCT A DISCUSSION (EBF)

25 minutes—sound $3.00 3
A variety of groups are used to illustrate the eleven principles important to effective adult group discussion. (High School, Adult)

HOW TO FIND THE ANSWER—Mathematical Problem Solving (CORONET)

10 minutes—sound $2.00 2
This film makes an important contribution to clear thinking, for it encourages a systematic attack of mathematical problems both in and out of school. In doing so, it offers students an excellent exercise that can be utilized in solving problems in any subject. Here is presented and demonstrated a clearly defined procedure for working out problems after they have been established. The film explains the importance of useful procedures in solving mathematical problems and others with which the student may deal. (Jr. and Sr. High)

Unit Value

HOW TO GET COOPERATION (CORONET)

10 minutes—sound $2.00 2

Necessity for ground action in our society makes this film important to students. It shows some of the methods for securing cooperation and practical use of them in a school situation. The objectives of cooperation are first detailed and then typical situations which demand cooperation are then presented. Finally the basic techniques for actually achieving the assistance of others are put into practice. (Jr. and Sr. High)

HOW TO GIVE AND TAKE INSTRUCTIONS (CORONET)

10 minutes—sound $2.00 2

The giving and taking of instruction is important in all walks of life. This motion picture, useful in a variety of school, vocational, and social situations, presents five basic skills necessary for clear and effective communication and instruction, including the ways to give and also to receive them. (Jr. and Sr. High)

HOW TO JUDGE AUTHORITIES (CORONET)

10 minutes—sound $2.00 2

Like all of us, Bill encounters a puzzling conflict between statements of "authorities." But unlike most of us, Bill considers the "internal evidence" on each authority, the experience from which each speaks, and the evidence of his own experience to reach sound decisions. (Jr. and Sr. High)

HOW TO JUDGE FACTS (CORONET)

10 minutes—sound $2.00 2

Material learned from this motion picture will extend into almost all activities of social living. From it, students will learn how to separate facts from assumptions and faulty reasoning. Using a case study of a false story. the film teaches the common errors in thinking. Students not only will appreciate the value of dependable information, but also will be on their guard against assumptions, false analogies, irrelevant facts and double-meaning words. (Jr. and Sr. High)

HOW TO KEEP A JOB (CORONET)

10 minutes—sound $2.00 2

Job success is dependent upon more than a wise selection of vocation, more than the right attitude toward work itself, more than the wise selection of a particular position. Although all of these are important. Job success means getting along with fellow-workers, conduct of work and several other factors which this film explains vividly in the context of a fascinating story. (Jr. and Sr. High)

HOW TO MAKE AND USE A DIORAMA (McGRAW-HILL)

20 minutes $3.00 3

This film demonstrates through several school situations the construction of the diorama framework and the preparation of realistic miniature scenes. The dioramas of a farm, mountain scene and a Middle Eastern village shown in the film being made by teachers and students provide helpful suggestions on effective techniques and materials.

Unit Value

HOW TO MAKE HANDMADE LANTERN SLIDES (IndU)

22 minutes—sound—color $5.00 5
The basic production techniques for eight types of handmade lantern slides are featured. Teachers demonstrate how to make the types of slides most appropriate for use on various grade levels. Many suggestions concerning sources of content materials and uses for the various slides are also presented. (Jr. High through Adult)

HOW TO READ A BOOK (CORONET)

10 minutes—sound $2.00 2
Here is the "know how" of intelligent reading. Chuck finds he can grasp ideas and attitudes as well as facts when Ray shows him how to adjust his reading speed to his reading purposes. Ray tips him off to using a book's mechanical aids such as the preface, footnotes and index and gives practical advice on selecting the best books for a particular purpose. (Jr. and Sr. High)

HOW TO REMEMBER (CORONET)

10 minutes—sound $2.00 2
Everyone realizes that remembering is important, but the problem is HOW to remember. This film demonstrates the use of a very practical procedure for remembering given material. How to memorize a selection is shown specifically while explaining the whole process of remembering. Types of remembering are explained and six basic rules for making remembering easier are presented. (Jr. and Sr. High)

HOW TO SAY NO (CORONET)

10 minutes—sound $2.00 2
The central theme of this fascinating guidance film is: "How to say 'no' and keep your friends." Beginning with situations in which saying "no" is relatively easy, the discussion moves to how to say "no" when asked to become involved in undesirable activities. Good taste combined with a challenge to learn to say "no" gracefully characterizes this film. (Sr. High)

HOW TO STUDY (CORONET)

12 minutes—sound—color $4.00 4
Here is a film designed to motivate better study habits as well as give practical hints on study techniques. A ninth grade student is preparing a report for a class in civics. As we follow him through the steps of preparation, we see the way he budgets his skills employed in skimming, rapid reading, and careful study; and in other outside sources. (Elementary through Sr. High)

HOW TO THINK (CORONET)

10 minutes—sound $2.00 2
A traffic ticket for driving his delivery car without a commercial safety sticker gives Dick cause to do a lot of straight thinking. By following the film's suggested procedure for clear and careful thinking he is able to solve his problem successfully. The important elements of concentration, logic, observation, memory, imagination and judgment are all presented as part of the correct "way to think." (Jr. and Sr. High)

Unit Value

HOW TO TWIRL A BATON (YA)

10 minutes—sound $2.00 2
Demonstrates the following nine movements with the baton: beating time, salute, wrist-twirl, figure-eight, two-hand twirl, pass-around-back, cartwheel, four-finger twirl and throw-and-catch. (Elementary through College)

HOW TO WRITE EFFECTIVELY (CORONET)

10 minutes—sound $2.00 2
Important rules for effective writing are demonstrated in this film. Material, audience and purpose are offered as elements which must be considered. The picture discusses the factors involved in editing and offers a unique exercise in classroom participation. (Jr. and Sr. High)

HOW TO WRITE YOUR TERM PAPER (CORONET)

10 minutes—sound $2.00 2
Through the use of a personalized "audience participation" technique, this motion picture guides student audiences through the steps of preparing a term paper. They see how to select a subject, gather the necessary information, organize it and develop the actual report. Value of checking sources of reference, working from an outline and using correct form, grammar and footnotes is stressed. (Jr. and Sr. High)

HOW WE ELECT OUR REPRESENTATIVES (CORONET)

11 minutes—sound $2.00 2
This film explains the functional basis of our democracy, the election system. Registration, primaries, electioneering, voting, counting ballots, and the overview of the responsibility of voting intelligently to make our democracy work are presented. (Elementary through Adult)

HOW WE GET OUR POWER (YA)

10 minutes—sound $2.00 2
This film explains how all of our power comes from nature—from wind, water, fuels, explosives, and the atom. (Jr. High through College)

HOW WE LEARN (CORONET)

10 minutes—sound $2.00 2
Through the guidance of one of his teachers, a high school boy finds the big principles which make for effective learning—a ready mind and appropriate materials. Using goals, competition and cooperation, working with the teacher, and seeing sense in what you are doing bring a ready mind to any learning situation. (Jr. and Sr. High)

HOW YOUNG AMERICA PAINTS (ASSN. F)

10 minutes—sound—color $4.00 4
This is the 1941 exhibition of Young America Paints, held annually in the American Museum of Natural History, New York. The sequences of this picture consist of paintings and drawings in various mediums. (Elementary through Sr. High)

Unit Value

HUMAN BEGINNINGS (ASSN. F)

22 minutes—sound—color $6.00 6
In the first part we see what a group of children believe about the origin of human life as expressed in their own drawings. The second part of the film shows how a young boy and his parents re-act to the coming of a new baby sister into the family. One of the main uses of the film is to provide a basis for discussion by children of 5 and 6 years of age, or older. (Primary through Jr. High)

THE HUMAN BRAIN (EBF)

11 minutes $2.00 2
Describes the brain and compares its development in several animals and in man. Differentiates the functions of the medulla and cerebellum, and describes the cerebrum in detail. Illustrates the cerebral functions of perception, motor control, analysis, integration, planning future acts, and elaborating responses as applied in a critical situation. (Jr. High, Sr. High)

HUMAN TRAITS SHOWING SIMPLE MENDELIAN INHERITANCE

30 minutes $5.00 5
Lecture by Dr. L. C. Dunn. (College)

HUNTING IN NEWFOUNDLAND

14 minutes—sound—color $1.50 1.5
In the high, rolling hinterland Lee Wulff and his guide, Jim John, eagerly scan the horizon for the presence of caribou. A red fox lopes across a clearing, and soon a caribou stag and its doe, too young for the hunter's rifle, come into view. Wulff's patience is rewarded when he spots a full-grown stag moving slowly across a slope. With deadly accuracy he aims his gun, felling his quarry with a single shot. Like the caribou, ptarmigan, the "grouse of the north," are found in high country. Wulff exchanges his rifle for a shotgun and, with the help of his setter, brings down a good bag.

HUNTING THE FOOTHILLS FLYWAY (CTF)

14 minutes—sound—color $1.50 1.5
They come by the millions—grouse, prairie chicken, ptarmigan, Hungarian partridge, Canada geese—flying targets for huntsmen's rifles. And over thirty thousand square miles of Alberta grain fields, marshes, lakes and woodlands lie in the direct route of the main flyway of migrating birds southward bound.

HURRICANE WATCH (USWEATHERBUR)

12 minutes—sound $1.50 1.5
Depicts the origin, path and a striking area of a hurricane. Shows the method of spotting, studying and predicting the path of a hurricane, along with how the people are warned of an advancing storm and the proper precautions to take. (Jr. High through Adult)

I WANT TO BE A SECRETARY (CORONET)

15 minutes—sound $3.00 3
Deals with clerical aptitudes. Gives aspirants important clues as

Unit Value

to their own chances of success in this particular field. (Sr. High and College)

IBERIAN PENINSULA (EBF)

10 minutes—sound $2.00 2
Provides significant overview of modern Spain and Portugal. Depicts, with animated drawings, the chief topographic and climatic features of the Peninsula and portrays people at work in various types of agricultural pursuits and in fishing, mining, and industry. Emphasizes especially the Peninsula's limited industrialization and the age-old agriculture technique generally employed in the region. (Elementary through Sr. High)

IDAHO AND ITS NATURAL RESOURCES (U.S. DEPT. OF INTERIOR)

30 minutes—sound—color $1.50 1.5
The rich mineral and agricultural resources of the State of Idaho, as well as its natural beauty and scenic attractions, are realistically portrayed. Historic episodes of the Lewis and Clark Expedition, early fur trapping, the gold rush of the 1850's, and early mining history are shown, as well as the Gem State's farms, cattle ranches, giant lumbering industry, cities, modern mine and processing plants for minerals. Exhilarating ski runs at Sun Valley and authentic hunting and fishing scenes add exciting moments. (Jr. High through Adult)

IMMIGRATION (EBF)

10 minutes—sound $2.00 2
Shows by photographs and animated maps how the United States became populated, and why Europeans left the Old World for the New. Photographic scenes of families leaving their homes for this country tell the human side of the story. Peasants fleeing from economic exploitation, political refugees and religious fugitives are all depicted in scenes which conclude with shots of Ellis Island and the induction into full American citizenship of immigrants. (Jr. High through Adult)

IMMIGRATION IN AMERICA'S HISTORY (CORONET)

11 minutes—sound $2.00 2
The major waves of immigration are examined in their historic, economic and sociological contexts, with dramatic re-enactments showing causes, occupational and settling patterns, and the contributions of each group to the growth of America. (Jr. High, Sr. High)

IMMUNIZATION (EBF)

10 minutes—sound $2.00 2
Explains what immunization is and how immunity to infectious diseases is attained. Recalls that immunity to some diseases is effected through actual illness, and then demonstrates how the injection of vaccine into the human body may build up resistance to an infection just as the actual illness would have done. Explains how vaccine for smallpox, pneumonia, and diphtheria is prepared and used. (Sr. High through Adult)

IMPERIALISM AND EUROPEAN EXPANSION (CORONET)

13½ minutes—sound—color $5.00 5
The factors responsible for the imperial expansion movement of

Unit Value

1875-1915 are outlines, as are the nature and effects of imperialism in Africa, Asia, and in the Pacific.

IMPORTANCE OF GOALS (McGRAW-HILL)

10 minutes—sound $4.00 4

The case of 13-year-old Tommy illustrates the principle that all education is essentially a process of attaining basic, meaningful goals. (College and Adult)

IMPORTANCE OF MAKING NOTES (CORONET)

10 minutes—sound $2.00 2

Note-taking, as an important study aid, has great value to students in almost every course. This motion picture presents the important skills of good note-taking. Through it, audiences will learn how good notes are taken in oral instruction periods and during reading. They will see how to find the key ideas for notes, what sort of materials should be taken down verbatim and when notes should not be taken at all. (Jr. and Sr. High)

IMPROVE YOUR HANDWRITING (CORONET)

10 minutes—sound $2.00 2

This picture helps youngsters learn for themselves how to improve handwriting. It may be used in classes which offer handwriting instruction and in classes in which teachers wish to stress the fundamentals of good handwriting in an efficient and effective way. (Elementary)

IMPROVE YOUR PERSONALITY (CORONET)

10 minutes—sound $2.00 2

It's important that young people realize that personality is not a vague, glamorous attribute of the fortunate few but a part of each individual's character. Through this film a frank discussion of personality will be encouraged. Students will learn to understand themselves better and see how they can improve their own personalities. How personalities can be developed and controlled is dramatically told. (Sr. High)

IMPROVE YOUR PRONUNCIATION (CORONET)

10 minutes—sound $2.00 2

Bill formulates a program for improvement using these basic rules: 1) pronounce every syllable, 2) pronounce each sound correctly; 3) use accepted pronunciations and 4) use natural pronunciation. (Jr. High through Adult)

IMPROVE YOUR READING (CORONET)

10 minutes—sound $2.00 2

This is a prescription for reading deficiencies. The three most prevalent ailments found among students—narrow perception span; rapid, careless reading; and the slow, ponderous pointing to and pronouncing of words—are presented in this film. Specific remedies for each are illustrated and a cure suggested. Students will readily apply the proper care for their own deficiency. (Jr. and Sr. High)

Unit Value

IMPROVING STRAINS OF LIVESTOCK (APPLICATIONS OF GENETIC PRINCIPLES) (EBF)

13 minutes $3.00 3

Essential procedures in improving strains of livestock are shown in operation at an up-to-date breeding farm. Techniques of selecting parent stock are described, and examples of inbreeding and outbreeding shown. The pioneering roles of Robert Bakewell and Gregor Mendel are identified. This film was formerly titled "Animal Breeding." (Jr. High, Sr. High)

IMPROVING YOUR POSTURE (CORONET)

10 minutes—sound $2.00 2

Why should so many suffer poor posture when good posture is easy? Here's a very effective film answer. It shows the major areas of the body by which posture is controlled . . . demonstrates what good posture is: a balance of opposing sets of muscles . . . and teaches methods of maintaining good posture. Stressing relaxation, self-diagnosis and correction this film will help every student to overcome his individual posture faults rapidly. (Jr. and Sr. High)

IN THE NAME OF FREEDOM (UNC)

20 minutes—sound—color 1.50 1.5

The story of Chapel Hill and the University of North Carolina from its founding. (Sr. High through Adult)

INBREEDING AND HETEROSIS

30 minutes—sound $5.00 5

Lecture by Dr. J. F. Crow. (College)

THE INCAS

11 minutes—sound $2.00 2

Filmed at authentic sites in Peru, this film offers a vivid picture of life as it existed in Incan times and presents students with background for understanding life in the Americas before the coming of Europeans. (Intermediate, Jr. High, Sr. High)

THE INCONSTANT AIR (McGRAW-HILL)

27 minutes—sound—color $5.00 5

The forces affecting weather and climatic changes are explored. The film emphasizes the work of the meteorologist, who utilizes the basic sciences of physics, chemistry and mathematics in a continuing effort to understand the dynamic atmosphere in which we live.

THE INCREDIBLES OF DEBUCOURT (IND)

12 minutes $4.00 4

Through the art of Debucourt, this film attempts to recreate the feelings of a period of history marked by anxieties. Among other things, the people of this day adopted excessive mannerisms to overcome their anxieties. In his candid representations, Debucourt recorded these minute details of the snobbishness of the time. His art is undoubtedly small, but it shows that even in the time of the revolution, there were amusing moments.

Unit Value

INDEPENDENT SEGREGATION

30 minutes—sound $5.00 5
Lecture by Dr. E. Altenburg. (College)

INDIA (MOT)

12 minutes—sound $2.00 2
Viewing realistically past British imperialism, the film contrasts both sides of a land where tradition has placed Oriental luxury side by side with squalor. While picturing the substantial social improvements and industrial developments which Britain brought about in India, it also recognizes abuses which occurred simultaneously. (Jr. High through Adult)

INDIA—Farmers of India (UWF)

20 minutes—sound $4.00 4
In this film we learn that life in densely populated, underdeveloped lands is marked by great poverty, crowded living conditions. and often famine and disease. Although India is a land of natural riches, most of her people live in great poverty. The common farmer has only a few crude tools with which to work. (Elementary through Adult)

INDIAN DANCES (EBF)

10 minutes—color $4.00 4
Reveals the Indian as a keen observer of nature and demonstrates his relationships with natural phenomena. To the dramatic accompaniment of tom-tom rhythms, and Indian dance patterns based on the characteristics of the prairie grouse courting, the eagle in flight, the buffalo, and the deer. (Middle, Jr. High)

INDIA'S HISTORY: BRITISH COLONY TO INDEPENDENCE

11 minutes—sound—color $4.00 4
This film examines the centuries when Indians strove for freedom, the role of the British East India Company, the coming of independence, and the creation of the Union of India. (Jr.-Sr. High)

INDIA'S HISTORY: EARLY CIVILIZATIONS

11 minutes—sound—color $4.00 4
The beginnings of India's history are traced in this film, from the days of the earliest inhabitants to the rise of great leaders and the contributions of Buddhism and Hinduism.

INDIA'S HISTORY: MOGUL EMPIRE TO EUROPEAN COLONIZATION

11 minutes—sound—color $4.00 4
This film traces the growth of the Mogul empire, its decline, the rise of European interest, and conflicts between France and England in India.

INDIANS OF EARLY AMERICA (EBF)

22 minutes $4.00 4
Photographed on locations throughout the entire United States and Canada, this film re-creates the environment and typical activities of tribes from four major regions—the Eastern Wood-

Unit Value

lands, the Midwestern Plains, the Southwest, and the Northwest Coast. It includes sequences on the ceremonies attending the death of an Iroquois chief and the election of his successor; a Sioux buffalo hunt; pottery making in a pueblo village; and a potlatch ceremony, conducted by the headman of a Northwest coastal tribe. (Middle, Jr. High, Sr. High, Adult)

INDIVIDUAL DIFFERENCES (McGRAW-HILL)

23 minutes—sound $4.00 4
The case study of a shy, slow child who is different from his classmates and from his older, socially-adept brother. Points out that individual differences must be met in terms of individual interests and capabilities, that it is the job of the school to shape education to individual needs. (College and Adult)

INDUSTRIAL PROVINCES OF CANADA (EBF)

11 minutes—sound $2.00 2
Shows the development of the various industries of Canada, which include fur, lumber, mining, fishing and agriculture. (Elementary through Adult)

INDUSTRIAL REVOLUTION (EBF)

11 minutes—sound $2.00 2
Describes efforts of primitive man to do work chiefly with his own and animal muscles; compares methods of work from the time of the first steam-powered loom. Animated photography describes the mechanical advantage of machines. Cause and effect relationships are treated and their social and economic implications noted. (Jr. High through Adult)

INERTIA (PSSC)

27 minutes—sound $5.00 5
Demonstrates Galileo's principle of inertia using low friction dry ice pucks and multiple flash photography; develops the relation that acceleration is proportional to force, when mass is constant. (High School)

INERTIAL MASS (PSSC)

20 minutes—sound $5.00 5
A continuation of INERTIA, this film develops the relation that acceleration is inversely proportional to mass, with a constant force. It shows that different objects may have the same inertial mass, by demonstrating that they have the same acceleration if the same force is applied. Finally, it distinguishes and compares inertial and gravitational masses pointing out the proportionality between them. (High School)

INFIELD PLAY AT FIRST AND THIRD (AMERICAN & NATIONAL)

20 minutes—sound $4.00 4
This film covers the defensive play at first and third base demonstrated in regular and slow motion action by professional baseball players Gil Hodges, George Kell, Bob Elliott and Ferris Fain.

Unit Value

INHERITANCE IN MAN

28 minutes—sound—color $5.00 5
Guest lecturer—Dr. Curt Stern, University of California. Illustrates how laws of heredity apply to man. Describes such human traits as Hapsburg lip, polydactyly, sickle-cell anemia, night-blindness, albinism, Rh blood groups, PTC tasters, and eye color.

INSECT LIFE CYCLE (THE PERIODICAL CICADA) (EBF)

11 minutes $2.00 2
Follows the visible phases of the life cycle of the periodical cicada. Recorded in nature, it captures some rare moments of the emergence, transformation and hatching of this most unusual insect of North America. Animated diagrams trace the hard-to-see phases. (Middle, Jr. High, Sr. High, College)

INSECT ZOO (EBF)

10 minutes—sound—color $4.00 4
Portrays in full color Ted's and Susan's zoo comprised of insects . . . katydid, cricket, butterfly, milkweed bug, larybird beetle, ants, and a praying mantis. Reveals characteristics of insects in general and shows by means of close-up photography the distinguishing features of each insect portrayed. Depicts simple homes which can be made for insects in an exhibit and suggests that young audiences plan an insect zoo of their own. (Primary and Elementary)

INSECTS (EBF)

11 minutes $2.00 2
Defines the class of animals known as insects. Identifies the principal characteristics of insect groups represented by butterflies, wasps, beetles, flies, and grasshoppers; and points up differences between true insects their near relatives. Reveals life cycles, feeding habits, and protective coloring of a variety of insects. Tells how to encourage beneficial insects and combat pests. (Middle, Jr. High, Sr. High)

INSIDE BASEBALL (AMERICAN & NATIONAL)

30 minutes—sound $4.00 4
This is a teaching film on baseball technique covering playing fundamentals—utilizes services of big league stars.

INSTALLMENT BUYING (CORONET)

10 minutes—sound $2.00 2
Young Dr. Harris badly needs new furniture for his waiting room, but cannot pay cash. His experience dramatically demonstrates some of the pitfalls of installment buying, and encourages a complete investigation of installment credit, contracts and interest rates. Your students will learn to ask themselves three questions before buying on credit: 1) Is the article worth buying on installment? 2) Can I afford it? and 3) Am I getting the best installment terms? (Jr. and Sr. High)

INSTRUCTIONAL FILMS: THE NEW WAY TO GREATER EDUCATION (CORONET)

15 minutes—sound $3.00 3
This film analysis demonstrates how audio-visual teaching saves

Unit Value

time in presenting complex ideas, saves money by bringing costly equipment right into the classroom, makes the most distant things as near as the classroom movie screen and makes the student see familiar objects in a new light. The importance of proper selection, integration and administration of an education-film program under an audio-visual director is also stressed. (College and Adult)

INSTRUMENTS OF THE BAND AND ORCHESTRA: THE BRASSES

10 minutes—sound $2.00 2

We hear the distinctive sound of the brass section, showing how this section contributes to the full sound of bands and orchestras. After explaining, in animation, the basic principle on which brasses operate, we are musically and visually introduced, one at a time, to the cornet, the trumpet, the French horns, the trombones, the baritone, the tuba, and the sousaphone. (Intermediate, Jr. High, Sr. High)

INSTRUMENTS OF THE BAND AND ORCHESTRA: INTRODUCTION (CORONET)

10 minutes—sound $2.00 2

This is a series of five films designed to introduce the band and orchestra to students and familiarize them with the instruments of the groups. The Youth Orchestra of Greater Chicago and the Joliet Township High School Band are featured in the films. This is a general introduction to bands and orchestras, explaining the three sections of the band, the brasses, the woodwinds, and the percussions, and showing how the additional section of strings gives the orchestra its different sound. (Intermediate, Jr. High, Sr. High)

INSTRUMENTS OF THE BAND AND ORCHESTRA: THE PERCUSSIONS (CORONET)

10 minutes—sound $2.00 2

We see the importance of the percussions in both bands and orchestras, and are introduced to the most common of the many percussions that are used. We hear, and see played, the bass drum, snare drum, field drum and tympani, or kettle drums; the cymbals, temple blocks, castanets, and gong; claves, marimba, bells and including the sock cymbal of dance bands; the tambourine, triangle, and chimes. (Intermediate, Jr. High, Sr. High)

INSTRUMENTS OF THE ORCHESTRA: THE STRINGS (CORONET)

10 minutes—sound $2.00 2

The section that is peculiar to orchestras is analyzed in this film. We see the basic principles of operation of the string instruments, and show, in simple analysis, how string instruments are played. The instruments that we see and hear are: the violin, viola, cello, and string bass (also called the bass viol, or double bass, or contra bass); we are shown several types of bows, and see and hear various musical effects obtainable from the instruments; the harp is shown as a regular member of the string section, and the piano is presented as one which can be included in that section. (Intermediate, Jr. High, Sr. High)

Unit Value

INSTRUMENTS OF THE BAND AND ORCHESTRA: THE WOODWINDS (CORONET)

10 minutes—sound $2.00 2

The woodwinds produce the interesting, colorful sound in bands and orchestras. We see how the woodwinds are held and played, hear their distinctive sounds, and learn the principle of which the woodwinds operate. The basic woodwind instruments introduced are: the flutes and the piccolo; the single reeds, including the clarinets and saxophone; and the double reeds, including the oboe, and alto oboe (English horn), and the bassoon. (Intermediate, Jr. High, Sr. High)

INSTRUMENTS OF THE ORCHESTRA (BIS)

20 minutes—sound $2.00 2

Dr. Malcolm Sargent comes out of the wings onto the stage where the London Symphony Orchestra is ready to play. He explains that an orchestra is made up of instruments which are blown, scraped, or banged. Using "The Variations and Fugue on a Theme of Purcell," as arranged by Benjamin Britten, the members demonstrate each instrument without losing the continuity of the music, and Dr. Sargent explains the essential likenesses and differences of the various instruments. Finally, he explains the form of the fugue and the entire composition is played by the orchestra. (Elementary through Adult)

INTERDICTION AND BLOCKADE (McGRAW-HILL)

28 minutes $5.00 5

The story of how the American high command, faced with the knowledge that there could never be a decisive land battle in the South Pacific, used air and sea power to destroy the Japanese war machine by denying the enemy the vital lines of supply and communication.

INTERFERENCE OF PHOTONS (PSSC)

14 minutes—sound $5.00 5

An experiment in which light exhibits both particle and wave characteristics. A very dim light source, a double slit, and a photomultiplier are used in such a way that less than one photon (on the average) is in the apparatus at any given time. Characteristic interference pattern is painted out by many individual photons hitting at places consistent with the interference pattern. Implications of this are discussed. (High School)

INTERNATIONAL COMMUNISM (McG.H)

29 minutes—sound $5.00 5

Discusses the international aims of the Communist party and methods used to achieve these aims. Portrays Lenin's establishment of the Third International. Explains Communist maneuvers during the second half of the 1920's and in the 1930's, the Populas Front and the activities during the Spanish Civil War. Concludes with the ultimate aims of the Communist Party. Jr., Hi. Sch-Col.-Adult)

INTERSPECIFIC HYBRIDIZATION & ITS CONSEQUENCES

30 minutes—sound $5.00 5

Lecture by Dr. G. L. Stebbins. (College)

Unit Value

INTRODUCING THE BRASSES (NET)

23 minutes—sound $5.00 5
Presents each member of the New York Brass Quintet as he introduces his instrument and plays illustrative excerpts. Two trumpets begin with a duet: Then the trombone, the French horn, and the tuba a selection written for each successive ensemble is performed. (Jr., Sr., Col., Adult)

INTRODUCING THE WOODWINDS (Ind. U.)

23 minutes—sound $4.00 4
Describes and illustrates the musical characteristics and operating principles of the instruments of a woodwind quintet. Members of the New York Woodwind Quintet introduce a young audience to the flute, piccolo, bassoon, oboe, clarinet, and the French horn. Four compositions are performed to demonstrate the voices of the various instruments. Music includes Milhaud, The Hunting Scene; von Weber, Rondo in Hungarian Style; Moussorgsky, Ballet of the Unhatched Chickens, and Reicha, Movement from Quintet in E flat, opus 88, No. 2. Introductory remarks by Yehudi Menuhin.

INTRODUCTION TO BIOLOGY (EBF)

13 minutes—sound $2.00 2
This motion picture provides an excellent overview of the field of biology for prospective students and beginners. The film graphically explains the life processes, adaptation and reproduction; and it depicts ways in which biology is applied to such problems of daily life as combatting disease and controlling insect pests. (Jr. High)

INTRODUCTION TO CHEMISTRY (CORONET)

10 minutes—sound $2.00 2
Here is a film designed to stimulate an interest in the study of chemistry as well as provide important classroom instruction. Beginning with a clear-cut definition of chemistry, the motion picture introduces some of the important terms and materials common to the subject. Then some of the major industrial applications of chemistry are presented along with everyday uses found in the home and on the farm. (Jr. and Sr. High)

INTRODUCTION TO ELECTRICITY (CORONET)

10 minutes—sound $2.00 2
A basic knowledge of electricity's principles is a modern essential. Beginning with curiosity about static electricity around them, David and Marilyn investigate current electricity as well. They learn about electrons, and how the natural repulsion of these tiny negative particles makes electricity with chemicals and with magnetic lines of force. (Jr. High)

INTRODUCTION TO FOREIGN TRADE (CORONET)

10 minutes—sound $2.00 2
To appreciate the complex aspects of modern foreign trade, certain basic concepts and procedures should be understood. To help accomplish this goal, the motion picture first establishes the importance of foreign trade to our economy and then presents a general picture of the mechanics of international commerce. The role of monetary standards and control, national policies in

Unit Value

reference to those controls, distribution of raw materials and markets are shown. Then, in an actual exchange of goods, the detailed domestic and foreign operations involved in the sale, shipment and payment are portrayed. (Jr. and Sr. High)

INTRODUCTION TO FRACTIONS (JOHNSON-HUNT)

10 minutes—sound—b&w $2.00 2
This film follows a single concept of fractional meaning. By means of skillful three-dimensional animation of models and examples, taken from the everyday experiences of the child, it maintains a high degree of pupil interest. It covers the subject matter area of: What is a fraction; How is a fraction written; The meaning of numerator; The meaning of denominator; How to determine the value of a fraction. (Elementary)

INTRODUCTION TO PHYSICS

10 minutes—sound $2.00 2
This film shows the main divisions of physics, provides a basic vocabulary for the study of physics and illustrates some of the important concepts of physics. It is excellent as a guidance film for those who are planning their requirements in science, and it also provides a stimulating introduction to those who are studying physics. Stress is laid on the importance of understanding everyday problems. (Jr. and Sr. High)

INTRODUCTION TO THE METHOD OF LEONARDO DA VINCI (IND)

12 minutes $4.00 4
Using paintings, combined with the commentary of the French poet Paul Valéry, this film represents an approach to the understanding of Leonardo da Vinci. The mechanism of the painter's creativeness is analyzed through Valéry's study, "Introduction to the Method of Leonardo da Vinci." Valéry considers da Vinci to be a genius without a single weak point, a kind of god, who, knowing everything, rejects all mystery.

INTRODUCTION TO OPTICS (PSSC)

23 minutes—sound—color $5.00 5
Deals with approximation that light travels in a straight line; shows the four ways in which light can be bent—diffraction, scattering, refraction and reflection; refraction illustrated by underwater photography to show how objects above water appear to a submerged skin diver. (Sr. High)

INVENTIONS IN AMERICA'S GROWTH (1750-1850)

11 minutes—sound $2.00 2
A survey of one hundred years of American inventions—the cotton gin, spinning jenny, steamboat, locomotive, reaper, and others—is tied to their effect on the growth of an America based on an industrial society. (Intermediate, Junior High)

INVENTIONS IN AMERICA'S GROWTH (1850-1910)

11 minutes—sound 2.00 2
A whole new series of inventions had tremendous effect on the growth of cities and mass communications—the phonograph, telephone, electric lamp, streetcar, motor car, airplane, and radio. (Intermediate, Junior High)

Unit Value

IRELAND (MOT)

16 minutes—sound $2.00 2
Glimpses of the proverbial Irish national character; the poetic landscape of the country, and the political, economic and social problems which are being, and are to be, dealt with. (Jr. High through Adult)

IRISH CHILDREN (EBF)

10 minutes—sound $2.00 2
Charmingly reveals some of the characteristic activities of a typical Irish farm family. Deals especially with the young brother and sister at play and as they help other members of the family with household and farm chores. Follows the whole family as they go on Saturday to the bog turf to enjoy a family picnic. (Primary through Jr. High)

IRRATIONAL NUMBERS (McGRAW-HILL)

23 minutes $4.00 4
Scenes of an actual classroom in action, with interpretative comments from Dr. Meder, vividly demonstrate the Commission's suggestion for teaching "irrational numbers" through the study of decimal fractions. The limited understanding of irrational numbers in past teaching is eliminated by this new method which leads to a positive demonstration of what an irrational number is. The teaching method for communicating these new ideas to others is clearly shown in these classroom scenes.

IRRIGATION FARMING (EBF)

11 minutes—sound $2.00 2
Shows man's ingenuity in using the resources of nature to make usable and profitable a land that would otherwise be arid and desert. Engineers harness the water which begins with melting snow; farmers use the water by various methods of irrigation such as the pipe, the canvas, and the ditch methods. (Elementary through Sr. High)

ISRAEL—Building a Nation (UWF)

20 minutes—sound $4.00 4
In Israel are contrasted the subsistence farming with antiquated tools, which continues in some semi-arid regions with the new settlements where irrigation and mechanized farming are producing excellent crops. (Elementary trough Adult)

IT TAKES EVERYBODY TO BUILD THIS LAND (EBF)

21 minutes—sound $3.00 3
Against a unique background of modern folk ballads sung to guitar accompaniment this film traces the development of specialization in American industry and agriculture. It explains why specialization is profitable and important to us, and graphically shows that we all depend on specialists for food, clothing and shelter. Particular emphasis is given to interdependence in farming, tool making, fishing, clothing, manufacturing and lumbering. (Elementary and Jr. High)

Unit Value

ITALIAN CHILDREN—Harvest Time in Umbria (EF)

10 minutes—sound $2.00 2
Depicts activities in the daily life of farm children in the province of Umbria. Portrays interesting features of their home environment such as their house, garden, and food, and shows the children participating in the farm work—particularly in the picking and processing of olives. Illustrates the role of family festivities and musical enjoyment in the lives of Italian children, and features market day activities in the historic Italian city of Assisi. (Primary and Elementary)

ITALIAN PENINSULA (CORONET)

10 minutes—sound $2.00 2
Within the boundaries of the Italian Boot is a country of unusual geography. The cool climate of the north, the Mediterranean climate of the south, the twin coastlines, the "backbone" of mountain ranges have helped to produce different types of agriculture and living patterns. (Jr. High through Adult)

ITALY—PENINSULA OF CONTRASTS (EBF)

17 minutes—sound—color $5.00 5
Skillfully depicts the physical geography of Italy and illustrates ways in which it influences the lives of the people. Contrasts old-fashioned and up-to-date methods of farming and transportation; portrays ancient and modern aspects of Italian cities; reveals the fertile and barren regions; and highlights the importance of the tourist trade to the people of Italy. (Upper Elementary and High School)

ITALY—Po River Valley (UWF)

20 minutes—sound $3.00 3
The broad fertile land of the Po Valley, protected from cold winds by the high mountains which surround it and provide it with abundant hydro-electric power, makes an ideal area for the homes of almost half of the Italian people. This film is a picturization of the development of many large cities and industries fostered by the abundance of cheap electric power and skilled labor. It also presents a delightful contrast in the analysis of daily life in the village of Rivolta d' Adda, a farming community. The religious nature of these Italian farmers is highlighted by showing how each phase of the waking hours of the people is marked by the tolling of the bells in the local church tower. (Elementary through Adult)

IT'S A WOMAN'S WORLD (HWO)

8 minutes—sound $2.00 2
After centuries behind the veil, Egypt's women have come to the fore. Here we see student, teachers in mass calisthenics as they toughen body as well as mind for the future job of teaching in Egypt's 8,000 elementary schools—girls studying agricultural subjects, Egypt's leading woman attorney in a dramatic court action, and girl internes assisting an actual operation in Cairo's great King Fuad Hospital. (Jr. High through Adult)

IT'S ALL YOURS (POCKET BOOKS)

11 minutes—sound $1.50 1.5
Designed to encourage teen-age audiences to read and own

Unit Value

books, the film stars Ralph Bellamy in a story which takes him back to his youth, to all the familiar spots—the fields where he played ball, the stores, the stream where he fished, and the library. And as he looks back over his career he realizes the benefit and pleasure which books have brought to his life. (Elementary through Adult)

IT'S EVERYBODY'S BUSINESS (US CHAMBER OF COMMERCE)

22 minutes—sound $1.50 1.5
This film explains how our business system, built on a firm foundation of freedoms, has given America the highest standard of living in the world. It dramatizes the dangers to our personal, political and economic freedoms, and emphasizes the importance of protecting these freedoms. (High School, College, and Adult)

IT'S THE MAINE SARDINE (USF&W)

18 minutes—sound—color $1.50 1.5
Documentary film of the Maine Sardine Fishery showing the colorful methods of capturing and processing sardines. (Elementary through Adult)

IT'S YOUR AMERICA (OWI)

35 minutes—sound $1.50 1.5
Jeff is just another soldier thrown into the maelstrom of world conflict, uncertain, bitter, sorry for himself. But through his adventures, both comic and dramatic, he learns that "Liberty," "Freedom," "Justice" and "America" are more than words. By using the dramatic device of Jeff's luck-piece, a Lincoln penny, the audience is permitted to follow the course of the deep changes that take place in his mind. (Elementary through Adult)

JACK'S VISIT TO COSTA RICA (CORONET)

10 minutes—sound $2.00 2
This film field trip to Costa Rica emphasizes the bond of world brotherhood which exists between your students and their Latin American neighbors. They will go to a Costa Rican school, visit cocoa and coffee plantations and a balsa mill . . . share a vivid, worthwhile experience with Jack, our youthful traveler. (Jr. High)

JAMES FENNIMORE COOPER (EBF)

20 minutes—sound $3.00 3
The reason for Cooper's literary greatness become strikingly apparent in this moving story of significant incidents in his life. We see him grow from a young man, dreaming of pioneer adventure of the frontier, to a mature, distinguished novelist, forcing his earlier dreams into vicarious reality by creating the first great American novels based on the American frontier scene. (Elementary through Adult)

THE JAMESTOWN COLONY (1607 THROUGH 1620) (CORONET)

16 minutes—sound—color $5.00 5
Events in early Jamestown are vividly captured in this film with the help of the authentic reconstructions prepared by the 1957 Jamestown Festival. Early struggles for survival are pictured dramatically. (Intermediate, Jr. High, Sr. High)

Unit Value

JAMESTOWN (THE FIRST ENGLISH SETTLEMENT IN AMERICA) (EBF)

22 minutes $4.00 4
Photographed in the reconstructed Jamestown fort and its vicinity, it tells how the Jamestown colony found economic prosperity in tobacco planting. Using John Rolfe as the central character, it dramatizes the struggle between the aspirations of the colonists for self-government and the need for a strong central government during the beginning years. Shows the development of plantations in the Jamestown settlement and the creation of the first legislative body in the New World. (Middle, Jr. High, Sr. High, Adult)

JAPAN—Island Nation (UWF)

20 minutes—sound $4.00 4
The country of Japan illustrates the geographic principle that living is difficult in an area where farmland and other resources are limited. By working hard and developing industry, densely populated countries can overcome some of their difficulties. (Elementary through Adult)

THE JAPANESE PERIMETER (McGRAW-HILL)

28 minutes $5.00 5
A dramatic account of the decisive battle at Midway in the Pacific, where American air and naval units turned the tide of the Japanese offensive into a conclusive and far-reaching defeat.

JAVA—Tropical Mountain Land (UWF)

20 minutes—sound $4.00 4
The picture places you in Java at a bustling, modern seaport where you board a train that links every phase of Java's economy; you understand why fifty million people can earn a living on an island the size of New York state. The film is focused on four men of a train crew. Their route is from coastal plain to mountain slope; from urban to rural scenes; from people employed in industrial activities to simple farmers. At the end you know Java: A tropical land, its fertility constantly replenished by volcanic ash, provides abundantly for a large population. (Elementary through Adult)

JEAN AND HER DOLLS (EBF)

7 minutes—sound—color $2.00 2
Familiar childhood activities, and pleasant home and family relations at once capture the interest of every primary grade youngster seeing this film. Designed to motivate reading, the film holds the attention of boys as well as girls as it tells the amusing story of young Frank who plays a trick on Jean and Betty while they are playing with their dolls. (Primary)

JERUSALEM, THE HOLY CITY (EBF)

10 minutes—sound—color $4.00 4
Concentrating on the historic settings and contemporary shrines of the respective religions, this film develops the theme of Jerusalem as a city sacred to the Jewish, Christian and Mohammedan faiths. Settings and structures rich in historic associations

Unit Value

pass in review to the accompaniment of an especially prepared musical score and interpretive narration. (Jr. High through Adult)

JET PROPULSION (EBF)

13 minutes $3.00 3
Provides a graphic explanation of jet propulsion and its use in modern aircraft. Explains through animation the workings of jet engines and the principles of physics on which they are based, with special emphasis on Newton's third law of motion. Shows various types of jet engines and their uses. Portrays jet aircraft in flight and suggests future potentiality. (Middle, Jr. High, Sr. High)

JOAN AVOIDS A COLD (CORONET)

11 minutes—sound $2.00 2
The story of a boy who violated the rules of good health and caught cold, and of a girl who followed the rules and didn't. Told in terms that young children can understand. The need for cooperation of teachers, parents, and school health authorities is stressed. (Primary and Elementary)

JOE TURNER, AMERICAN (NAM)

28 minutes—sound $1.50 1.5
Joe Turner, a small town business man, thinks he hasn't time for politics. When his grandson dies of an illness contracted from poor city water, he comes to realize the importance of participation in civic affairs. (Sr. High, College, Adult)

JOHN CALHOUN (EBF)

20 minutes—sound $3.00 3
Highlights important episodes in the career of John C. Calhoun, honored statesman and ardent advocate of states' rights. Depicts events of his early political career, his part in the War of 1812, and the difficulties encountered as vice-president. Dramatizes developments which compelled him to change from a nationalist to a leader of Southern sectionalism. (Jr. High through Adult)

JOHN C. FREMONT (EBF)

20 minutes—sound $3.00 3
Dramatizes important and significant events in the rich, full life of John C. Fremont, cartographer, explorer, military general, presidential candidate, and territorial governor. Begins with Fremont's government work as explorer and map-maker in the Mississippi valley and the West. Calls attention to his association with Kit Carson, and his part in the Mexican and Civil Wars. Recalls his defeats for the Presidency and his eventual appointment as territorial governor of Arizona. (Jr. and Sr. High)

JOHN GREENLEAF WHITTIER (EBF)

20 minutes—sound $3.00 3
Recalls highlights in the life of one of America's most beloved poets and strongest abolitionists. Begins by revealing Whittier's boyhood love for poetry. Traces his later association with William Lloyd Garrison, and follows his work as student and editor,

Unit Value

when he began to establish himself as a writer and as an advocate of social reforms. Points out Whittier's years of seclusion at Amesbury, and reveals how, during his declining years, he was inspired by boyhood memories to write some of his best-loved poems. (Jr. High through Adult)

JOHN QUINCY ADAMS (EBF)

20 minutes—sound $3.00 3
Dramatizes significant episodes in the life of America's sixth president and "Father of American Foreign Policy." Traces the steps by which he laid the groundwork for the expansion of the U. S. across the entire continent. (Jr. High through Adult)

JOHNNY APPLESEED: A LEGEND OF FRONTIER LIFE (CORONET)

15 minutes—color—sound $6.00 6
In this film the inspiring story of Johnny Appleseed—a man of peace whose goal in life was to make the world a better place for all living creatures—is imaginatively retold against the background of pioneer America. We see how Johnny's love of God and nature started him on a mission that was to last all his life and make his name known throughout the land. (Primary, Intermediate, Jr. High, Adult)

JULIUS CAESAR (EASTIN)

18 minutes—sound $3.00 3
Depicts the Forum scene which follows the assassination of Caesar. (Jr. High through Adult)

JUMPS AND POLE VAULTS (EBF)

11 minutes—sound $2.00 2
Advantage is taken of the techniques of slow motion photography for purposes of detailed study of form. Includes demonstration of the running high-jump, running broad jump, hop, step and jump, the pole vault. (Jr. High through College)

JUNIOR CITIZEN (GATEWAY)

20 minutes—sound $3.00 3
This film shows graphically how our school children are guided year by year from the beginning, first learning to play and work together, then to appreciate the many cultures that contribute to our civilization, then, as they develop and their capacities grow, to understand, appreciate, and gradually assume the responsibilities of community life, to value and learn to help in conserving our natural and human resources, and to earn a living in a congenial occupation. Threaded through the film, unobtrusively, yet with the eloquence of a great sermon, is the heartening conviction that all races and all creeds can live and work together, in an atmosphere of respect, friendship and understanding. (Jr. High through Adult)

JUNIOR HIGH SCHOOL STORY, THE (CFI)

27 minutes—color—sound $5.00 5
This is a story about junior high schools, whose function is to provide a special educational program for youth in grades 7, 8, and 9. This three-year educational segment is an American creation. This film gives an overview of the junior high school cur-

Unit Value

riculum, in a pictorial review of existing programs in 49 of California's Junior High Schools. It is hoped that this film will inspire a critical analysis of existing offerings. (Adult-College)

JUST WHAT IS GENERAL SEMANTICS? (Ind. U.)

27 minutes—sound $5.00 5
Indicates that in the broadest sense general semantics is concerned with the factors in communication that lead to misunderstanding, tension, and conflict. Dr. Lee's specific interest is in the kinds of things that happen between people that produce trouble because of the way they talk. Reviews Alfred Korzybski's formulation of general semantics. Stresses and illustrates evaluations of situations which are stupid and those which are sensible in terms of resultant behavior. Suggests that by analyzing patterns of talk we can begin to understand and prevent unrealistic behavior. (College and Adult)

KAMIKAZE (McGRAW-HILL)

28 minutes $5.00 5
Captured Japanese film graphically tells the story of the intensively trained kamikaze pilots-suicide squadrons whose mission was to crash head-on into American aircraft or dive into American Navy ships during the invasion of Okinawa.

KANGAROOS (EBF)

11 minutes—sound $2.00 2
Provides an excellent camera study of the characteristics, habits, and ecology of Kangaroos. Shows how they live from the time they are born, what they eat, how they behave in their natural environment in Australia, who their enemies are and how they defend themselves. (All Ages) (Animals)

KEEP UP WITH YOUR STUDIES (CORONET)

10 minutes—sound $2.00 2
Importance of doing school assignments regularly is stressed in this film and a system of developing orderly work habits is presented. Your classes will gain skill, interest and motivation for better preparation of daily assignments from the film. (Jr. and Sr. High)

KENTUCKY PIONEERS (EBF)

11 minutes—sound $2.00 2
Shows representative aspects of the early pioneering movement into Kentucky territory. This is the life of our country in the 1780's, picturing travel along the Wilderness Road, the role of the frontier forts, and the settlers' establishment of new homes. Weaving, soap-making, cooking, candle molding, carpentry, cabin construction, schooling and square dancing are among the activities of the home. (Elementary through Adult)

KIDS MUST EAT (USDA)

15 minutes—sound $1.50 1.5
Setting is a school room with Quiz Kids and the Quiz Master, Joe Kelly acting as "Teacher." He plies his brilliant class with questions, and receives some interesting answers. Among other things we learn that there are 30 million school children in

Unit Value

America, a lot of whom are hungry because they are not properly fed. Sometimes it is "hidden hunger."

KING MIDAS & THE GOLDEN TOUCH

10 minutes—sound $2.00 2

The ancient fable of the king who coveted gold has been translated here into a delightful motion picture. The objectionable features of the original story which prevented many teachers from using it in the classroom have been avoided in this film presentation. (Primary and Elementary)

KITTY CLEANS UP (YA)

10 minutes—sound $2.00 2

A film made especially for the lower grades, telling the story of a small girl, Helen, and her pet cat. Helen arises in the morning, and bathes, dresses, and eats, in preparation for taking Kitty to the Pet Show at school. The camera catches the actions of the cat which closely parallel those of Helen in washing and eating. Designed to stimulate language activities revolving around pets and personal health habits. (Primary)

KNOW YOUR LIBRARY (CORONET)

12 minutes—sound—color $4.00 4

Some students find a library a bewildering place. In this film they will learn the overall organization of a typical high school library, how to use the card catalogue, the principles of the Dewey Decimal System, arrangements of the books on the shelves, and how to use such supplementary materials as the encyclopedia, the Reader's Guide and the vertical file. (Elementary and Jr. High)

KOOTENAY LAKE HOLIDAY (CTF)

15 minutes—color—sound $1.50 1.5

This film tour begins at the border-crossing town of Kingsgate, then follows Highway 99 to Creston, described as a "scenic jewel in the crown of British Columbia." Then, at Kootenay Bay the film pauses for a look at a famous local curiosity—the Bottle House, a castle-like structure built entirely of "empties." (Elementary thru Adult)

LA FAMILIA SANCHEZ (EBF)

11 minutes—sound $2.00 2

A visit with a rural family in Southern Spain with emphasis on the activities of the children. (Same story as the film, SPANISH CHILDREN, but told in simple and slow-paced Spanish.) (Sr. High through Adult)

THE LABOR MOVEMENT: BEGINNINGS AND GROWTH IN AMERICA (CORONET)

13½ minutes—sound—color $5.00 5

The development of the organized labor movement from post Civil War beginnings to World War I is traced through the dramatic events and personalities which characterized it during this period. (Jr. High, Sr. High)

Unit Value

THE LABYRINTH OF PIRANESI (IND)

12 minutes $4.00 4
This film explores the engravings of an imaginary city created by Piranesi. This monument began as an attempt to reconstruct the ancient city of Herculaneum. The engravings shown include ancient Roman architectural scenes, however, emphasis is placed on the famous series *I careeri* (The Prisons).

LADY OF THE LAKE: BACKGROUND FOR LITERATURE (CORONET)

10 minutes—sound $2.00 2
One of the most widely read poems of "The Great Romantic," Sir Walter Scott, comes to life in this beautiful film. This motion picture teaches the concept that literature has its roots in actual places, people and events by providing a brief background of the author's life and by giving visual meaning to the poem's vocabulary in showing the actual background in the Scotland that is its setting. (Jr. and Sr. High)

LAND OF LIBERTY: Growth of America (TFC)

Each reel 20 minutes—sound
Reel 1 Colonial Period—1805 ..... $2.00 2
Reel 2 1805-1860 ..... $2.00 2
Reel 3 1860-1890 ..... $2.00 2
Reel 4 1890-1938 ..... $2.00 2
Epitomizes more than a century and a half of American history. Composed of sequences from 112 different feature pictures and shorts plus newsreels. The story of men and women who struggled to attain and defend American liberties. (Jr. High through Adult)

LAND OF MEXICO (EBF)

11 minutes—sound $2.00 2
Chiefly a factual outline of the physical aspects of the country and of the nation's agricultural and market places. (Elementary through College)

LANGUAGE OF GRAPHS (CORONET)

14 minutes—sound $3.00 3
Types of graphs, their uses and values are presented here to help students understand and appreciate the graph method of presenting statistical data. Bar, line, circle and equation graphs are woven into a story to show how these and other graphic representations can be used. (Jr. and Sr. High)

LANGUAGE OF MATHEMATICS (CORONET)

10 minutes—sound $2.00 2
A practical application of mathematictal terms showing how mathematics is fundamental to our society and to every phase of modern living. Students see "in action" the precise and meaningful symbols of mathematics. They learn how this unique language helps them to state—and solve—problems more rapidly and accurately. A review of the use of graphs, measurements and numerical operations is presented in the conclusion. (Jr. High through Adult)

Unit Value

LAPLANDERS (EBF)

11 minutes—sound $2.00 2
The story of the reindeer-tending Laplanders of northern Sweden. Follows a family from their summer fishing grounds to the highland reindeer pastures where the winter work of slaughtering and preparing the year's food supply is carried on. Portrays the dependence of the Lapps on the reindeer for food, clothing, shelter and transportation. (Elementary—social studies)

LAST DAY OF AN ENGLISH QUEEN, THE (YA)

27½ minutes—sound $5.00 5
Civil war threatens in England in July, 1553, between supporters of Lady Jane Grey, named to succession by the Council of Regents, and supporters of Princess Mary Tudor, claimant to the throne. Jane is only sixteen and has been Queen for nine days, while Mary's support has increased. Jane speaks of her mixed emotions; Mary states her moral position. Mary reveals her love for Spain. The Council of Regents argues, then decides that Jane must be executed. Her father, Duke of Suffolk, brings her the news. (Jr. High through Adult)

LATITUDE AND LONGITUDE (UWF)

10 minutes—sound $2.00 2
Interpretation of latitude and longitude as angular distances from given points, rather than as imaginary lines. The use of latitude and longitude to determine a position is indicated. Film technique has been used to show sections of the globe, thus demonstrating the relation between angles subtended at the center of the globe or at the axis and linear distance on the surface of the globe, also to show the connection between lines of latitude and longitude and angles subtended in the interior of the world. (Jr. High through Adult)

LAUNCHING THE NEW GOVERNMENT (1789-1800) (CORONET)

13½ minutes—sound—color $5.00 5
Problems confronting the infant United States government are presented graphically, including such major events as the establishment of the U. S. Bank, the Judiciary and Tariff Acts, the Whiskey Rebellion and others. (Jr. High, Sr. High)

LAURENTIAN SUMMER (NFB)

14 minutes—sound—color $1.50 1.5
Shows you this great natural playground in a riot of seasonal color—flowers everywhere, along roadsides and in cultivated beds competing for your notice with the panoramic sweep of hills and valleys. (Elementary thru Adult)

LAURENTIANS IN WHITE (NFB)

14 minutes—sound—color $1.50 1.5
This film gives you a lively and colorful rundown of how to have fun in the Laurentians. Skiing comes first. T-bars, rope tows and chair lifts guarantee the maximum daily descents, but there is also plenty of between ski and after ski activity. You are shown the highlights of a fun-filled season ending with the annual winter carnival. (Elementary thru Adult)

Unit Value

LAW & SOCIAL CONTROLS (CORONET)

10 minutes—sound $2.00 2
Whether demonstrated on a world-wide basis or in a relatively minor incident, the nature of law and social controls remains basically the same. Using a situation which will be clearly understood by every student, the three broad areas of social control are established: customs, local, state, national, etc. This picture will help to develop an understanding of the law and a sense of responsibility toward it. (Jr. and Sr. High)

LAWS OF MOTION (EBF)

13 minutes $3.00 3
Explains Newton's three laws of motion and points up important events leading to their discovery. Experiments with moving balls illustrate the theory of the laws, while other examples provide dramatic evidence of their application. Includes demonstrations using autos in motion on curves and slippery surfaces, a locomotive, an airplane, and a gun in action. (Jr. High, Sr. High)

LAYING THE ATLANTIC CABLE (KB)

11 minutes—sound $2.00 2
Scenes aboard a cable layer from Newfoundland to the Azores. Explains depth sounding and shows how a telegraphic cable is constructed and held. (Elementary through Sr. High)

LEADERS FOR LEISURE (AI)

20 minutes—sound—color $1.50 1.5
This is a film designed for community recreation leaders, pointing out the importance of good leaders for the success of such a recreation project for any community. (Sr. High through Adult)

LEARNING ABOUT ELECTRIC CURRENT (EBF)

8 minutes—sound $2.00 2
Describes the characteristics, uses and dangers of electric current. Circuits, conductors, insulators, fuses, and switches are explained both in animation and in simple demonstrations, and the electricity used in the home is traced back to the generators in a power plant. (Intermediate-Jr. High)

LEARNING ABOUT FLOWERS (EBF)

10 minutes—color $4.00 4
Portrays in vivid photography the story that there are many different kinds of flowering plants. Time-lapse photography is extensively used to show the opening of some of the more common flowers of our fields and gardens. The film is designed to help the student appreciate the beauty in flowers and to realize that the purpose of the flower is to produce seed.

LEARNING ABOUT HEAT (EBF)

10 minutes—sound $2.00 2
Presents basic concepts about heat—what heat does to materials; how heat causes expansion and contraction of materials; what are good and poor conductors.

Unit Value

LEARNING ABOUT LEAVES (EBF) (AN EB JUNIOR)

11 minutes $2.00 2
Explains with time-lapse photography, animation and skillful close-ups, how leaves are important to plants, animals, and man. Compares different kinds of leaves—those of many common trees, lawn plants, and evergreens, and shows how leaves are related to other parts of a plant, the stem and roots. The functions of green leaves, making and storing foods, and the changes that take place during the different seasons, are clearly illustrated. (Middle grades)

LEARNING ABOUT LIGHT (EBF)

10 minutes—sound $2.00 2
Deals with such fundamental concepts as when are objects luminous; what objects are transparent, translucent, and opaque; what is reflection and what is refraction.

LEARNING ABOUNT SOUND (EBF)

10 minutes—sound $2.00 2
Whether loud or soft, high or low, sound is made by vibration and travels in waves. We are aware of sound because the vibrations reach our ears and the hearing nerves carry their message to the brain.

LEARNING AND GROWTH (EBF)

10 minutes—sound $2.00 2
Attempts to clarify some of the principles which govern the learning process. The possibilities and limitations of training infants from twenty-four to forty-eight weeks of age are described. Learning problems are analyzed with special age, growth and learning are indicated. Laws which determine learning in older children are pointed out. (College and Adult)

LEARNING DISCRIMINATIONS AND SKILLS (McGRAW-HILL)

10 minutes $2.00 2
In a detailed analysis of the learning process, this film demonstrates that the learning of a skill by any organism involves two basic and closely integrated processes: discrimination between stimuli and application of this discrimination in the making of selected responses. Laboratory experiments with pigeons are shown in the demonstration.

LEARNING FOR LIFE (NCEA)

28 minutes—sound $1.50 1.5
A picture of the new challenges offered by adult education as people in all walks of life from professional men to factory workers pick up textbooks and become students again.

LEARNING FROM CLASS DISCUSSION (CORONET)

10 minutes—sound $2.00 2
A good, lively class discussion is not only interesting and thought-provoking but it can be a vital part of everyday school work. This film stresses the value of properly phrased questions that stimulate thought and lead to new avenues of discussion within the major question. An *attitude of discovery* is

Unit Value

cultivated by three rules from a stimulating discussion: *prepare in advance, take part and keep an open mind.* (Jr. and Sr. High)

LEARNING TO STUDY

14 minutes—sound $3.00 3
As a score of students enter a high school library for study period, the film introduces the question of the importance of learning to study. The scene shifts to a classroom, where a social studies teacher explains that learning is basically a change in behavior resulting from one of three things: the acquisition of new knowledge, the development of new skills, or a change in attitudes. Basic steps are setup for easier and more effective learning, both in formal study and daily out-of-school experiences. (High School)

LEARNING TO SWIM (YA)

10 minutes—sound $2.00 2
A young 12-year-old Australian boy demonstrates the Australian crawl, proceeding in easy-to-understand steps for the beginning swimmer. Produced in Australia. Recommended for Elementary and Junior High School; Sports and Recreation. (Elementary and Jr. High)

LEARNING TO UNDERSTAND CHILDREN, PART I (McGRAW-HILL)

21 minutes—sound $3.00 3
Presents a case study of Ada Adams, an emotionally and socially maladjusted girl of 15. It records the efforts of her English teacher to study her case sympathetically, to understand her and to plan remedial procedures to help her. Shown in detail are the diagnostic techniques, such as observation of the child's behavior, study of her previous records, personal interviews, home visitation and formulation of a hypothesis for remedial measures. (College and Adult)

LEARNING TO UNDERSTAND CHILDREN, PART II (McGRAW-HILL)

21 minutes—sound $3.00 3
A continuation of the case of Ada Adams. Her teacher develops a plan for remedial action. (College and Adult)

LEATHER WORK (G)

10 minutes—sound $2.00 2
Demonstrates the making of a coin and key purse. A number of articles are displayed; and a few of the most popular types of leather are discussed. Produced under the supervision of Edward T. Hall, of the Universal School of Handicrafts, New York. (Jr. High through Adult)

LEAVES (EBF)

10 minutes—sound $2.00 2
The film first suggests the significance of leaves to all life forms. Then animated drawings are employed to show the relationship of plant leaves to the other parts of a plant—roots, stems, and flowers. There is a rapid survey of several common types of leaves and essential parts of the typical leaf. Throughout the body of the film microscopic views reveal cross-section of leaves,

Unit Value

thereby showing the arrangement of the leaf parts and the process of the leaf. Animation is used to explain photosynthesis. In conclusion, the film reveals plant structures which are essentially modified leaves. (Elementary through College)

LEGEND OF THE PIED PIPER (CORONET)

10 minutes—sound $2.00 2
"Keep your word" is the theme audiences will find in this famous fairy story of the master musician of Hamelin. Both classes and informal groups will enjoy this film for its entertainment value as well as for the background understanding of the story which will be important to them in later reading. (Primary and Elementary)

LET'S ALL SING TOGETHER (LF)

11 minutes each (Order by number—2 units each)
No. 1 Daisy, Daisy; Old MacDonald Had A Farm; Home on The Range; Alouette $2.00 2
No. 2 Oh, Susanna; Carry On; Short'nin' Bread; Pack Up Your Troubles $2.00 2
No. 3 Put On Your Grey Bonnet; The More We are Together; The Daring Young Man On The Flying Trapeze; Carry On $2.00 2
No. 4 My Wild Irish Rose; En Rouland Ma Boule; Clementine; I've Got Sixpence. (Elementary through Adult) $2.00 2

LET'S BE CHILDISH (AFFlms)

20 minutes—sound $2.00 2
In this charming film, set against backgrounds of the ice-capped French Alps, the children of all countries of Europe teach a lesson in international cooperation that adults might well profit by. Working together to build a snow city, they win a prize more valuable to them than anything they might have gotten through individual enterprises. (Elementary through Adult)

LET'S BE SAFE AT HOME (PORTAFILMS)

10 minutes—sound $2.00 2
Stresses the desirability of developing safe attitudes by always remembering to be alert, careful, courteous and considerate. The children are shown coming home from school. Then five episodes follow. In each case the narrator stops the children just as their attitude is likely to cause an accident and shows them what might happen, which is visualized by faint, double-exposed images of the children. (Primary through Adult)

LET'S COUNT (CORONET)

10 minutes—sound $2.00 2
This film will fill the gaps between the haphazard counting of youngsters in the primary grades and their introduction to arithmetic. As they watch Sally and Joe, they'll see how useful counting can be. They'll learn the difference between ordinal and cardinal numbers, and how easy it is to use tallymarks and numerical symbols to answer the question, "How Many?" (Primary)

Unit Value

LET'S DRAW WITH CRAYONS (CORONET)

10 minutes—color—sound $4.00 4
How to use, how to care for, and how to store crayons, and some of the many interesting effects one can achieve through different crayon techniques make this dramatic film a rich art lesson. The motion picture stresses creative drawing, poster-making, and numerous other crayon crafts, such as imprinting a crayon design on cloth. (Primary, Intermediate)

LET'S GO TO THE CIRCUS (EBF)

9 minutes $2.00 2
From a ringside seat at the circus see the thrills and spectacles of the world's greatest show. Beautiful aerial ballerinas, skillfully performing acrobats, hilarious clowns, exciting racing horses, majestic elephants pass in gay review. (Primary, Middle)

LET'S PAINT WITH WATER COLORS (CORONET)

10 minutes—sound—color $4.00 4
The correct use of water colors can present many problems. Children often spill their paints, misuse their colors, and ruin their paint brushes. This film is intended to help the average teacher of elementary art overcome some of these problems and to encourage her children to do creative work in water colors both at school and at home. (Elementary)

LET'S PLAY FAIR (CORONET)

10 minutes—sound $2.00 2
Sharing, taking turns, obeying rules, are some of the basic elements of fair play that Herbie and his brother Bill discover in this inspirational motion picture. Your students will realize through this film that, although it sometimes takes careful consideration, fair play is the way to have the most fun. (Primary and Elementary)

LET'S PLAY WITH CLAY: Animals (YA)

10 minutes—sound $2.00 2
An introductory film on clay work. Demonstrates the general character of clay, how to handle it, how to keep it smooth, how to keep it from breaking, and how to obtain a satisfactory finish. Shows how to make such simple forms as a bird, pig, rabbit, fish, cat and snowman—all by means of hand operations. (Primary, through Jr. High)

LET'S PLAY WITH CLAY: Bowls (YA)

10 minutes—sound $2.00 2
A sequel to the above film, but designed to be used as an independent unit. Begins with rolling a piece of clay between the hands to make a ball, then shows how this can be worked by hand into variety of shapes—a teacup, saucer, cream pitcher, sugar bowl, and several decorative bowls. (Primary, through Jr. High)

LET'S PRONOUNCE WELL (CORONET)

10 minutes—sound $2.00 2
This film shows youngsters from 8 to 14 years old how good pronunciation can be achieved by some simple practices . . . .

Unit Value

being clear, being natural, and being accurate in word usage. The story concerns Tom who lacked good speech habits. The audiences, aware of his failings, and aware of the methods he uses to correct himself, will find themselves pronouncing words with him, and by silently correcting him as he goes along, will be able to apply what they see on the screen to their own pronunciation problems. (Elementary)

LET'S SHARE WITH OTHERS (CORONET)

10 minutes—sound $2.00 2

Sharing is an important social concept that involves a series of skills. This motion picture outlines these skills and teaches an important lesson based on fair play, cooperation, thoughtfulness, courtesy and friendship. It includes such behavior patterns as dividing things, taking turns, sharing through words and expression and doing things together. The inherent or natural limitations of sharing are illustrated but the new values and pleasures that come with sharing are emphasized. (Primary)

LET'S VISIT A POULTRY FARM (CORONET)

10 minutes—sound $2.00 2

A poultry farm is a unit of an important American agricultural industry; it's a complex business in itself, and it's a fascinating place for youngsters to visit. So—let's visit a poultry farm and take your students along. They'll feed the chickens with the farmer's son, and gather and package the eggs. And at the hatchery they'll watch breathlessly as a baby chick pecks his way out of his shell. Here's a field trip on film they'll enjoy and long remember—and with a new understanding of the poultry farmer's contribution to us all. (Primary)

LETTER TO GRANDMOTHER (CORONET)

18 minutes—sound $3.00 3

We follow Mary's letter to Grandmother through every hand that it passes. We watch postal employees collect, cancel, sort and dispatch the mail, accompany her letter on the railway mail car and see it to its destination, delivered by an R.F.D. carrier. When Grandmother answers Mary with a package, we return with it to learn about the handling of parcel post. (Primary through Jr. High)

LEWIS AND CLARK (EBF)

20 minutes—sound $4.00 4

Tells the story of the expedition made by Meriwether Lewis and William Clark to explore the land from the Mississippi to the Pacific Coast. Follows their party up the Mississippi River to Manden Indian territory in North Dakota where they established winter camp. Portrays their meeting with the Frenchman Charbonneau and his Indian wife Sacajawea who became their guides. Continues with them across the northern Rockies and down the Columbia River to its mouth. Reveals details of scientific exploration with respect to topography, natural resources, and plant and animal life. (Jr. High through Adult)

LIFE ALONG THE WATERWAYS (EBF)

11 minutes—sound—color $4.00 4

Beautiful photography depicts the many forms of plant and ani-

Unit Value

mal life found near the streams, ponds, rivers, and marshes that make up a waterway system. Illustrates the dependence of the members of this community on the waterway, and points out their activities throughout the spring, summer and autumn season. Indicates physical changes of the waterway in the growth from brook to river. (Elementary and Jr. High)

LIFE CYCLE OF THE MOSQUITO (YA)

10 minutes—sound $2.00 2

A film describing the life cycle, structure, and feeding habits of the mosquito. Live action plus animation is used to show the anatomy of the mosquito egg, the larval and pupal cases. (Jr. High through College)

LIFE IN A DROP OF WATER (CORONET)

11 minutes—sound $2.00 2

This film stresses these basic themes (1) basic necessities of animal life; (2) simplest forms of plant and animal life; (3) colonial forms of simple animal life. The various single-celled forms are shown in relation to their environment, meeting the minimum problems of all life, and the relative advantages of colonial over individual life. (Elementary through Sr. High)

LIFE IN A POND (CORONET)

10 minutes—sound—color $4.00 4

Pond life is presented "in action" here showing students microscopic animals, food-chains and a wealth of plant and animal life that provide examples of important principles of natural science. The film blends natural setting scenes and controlled set-ups with a wide variety of underwater and microscopic scenes. Seen is a typical fresh-water pond as a home of a self-sustaining group of plants and animals. Among these are green plants—shoreward, floating and submerged plants. Then the abundant animal life is seen—water fleas, beetles, insect larvae, dragonfly, nymphs, and minnows. (Elementary through Sr. High)

LIFE IN AN AQUARIUM (YA)

10 minutes—sound $2.00 2

Shows the setting up of a classroom aquarium stocked with goldfish, snails and tadpoles. Explains how fish breathe under water; that all animals need oxygen. Shows the difference between lungs and gills; how fish use their tails and fins for locomotion; the stages of the development of the frog from the tadpole; and explains how the snails move about and protect themselves. (Primary and Elementary)

LIFE IN HAITI (DOWLING)

17 minutes—sound—color $5.00 5

Daily life and work of the people of Haiti: cooking, marketing, building a home, grinding sugar cane and playing musical instruments. (Jr. High thru Adult)

LIFE IN HOT DRY LANDS—CALIFORNIA (CORONET)

10 minutes—sound $2.00 2

In a land devoid of rain all forms of life must struggle to survive. This film tells the story of the fierce battle of survival

Unit Value

waged by the starving plant life, the animals and human beings of the desert who adapt themselves to this grim existence. Your students will learn where the desert areas of the world are located . . . will learn why they are barren wastelands. (Jr. and Sr. High)

LIFE IN HOT WET LANDS—CONGO BASIN (CORONET)

10 minutes—sound $2.00 2
This film tells the story of how climate influences the lives of people in hot, wet lands. Set in the Congo Basin, the picture provides an authentic account of the life of a jungle boy and his family. It shows how people adapt their clothing, shelter, social activities and food gathering to the geographic region in which they live. (Elementary)

LIFE IN LOWLANDS—NETHERLANDS (CORONET)

10 minutes—sound $2.00 2
Peter and Mina are very excited! Grandfather is going to show them how so much of their country was claimed from the sea and made into rich polders or farm land. After meeting this typical Dutch family the camera takes us on an exciting tour of The Netherlands. (Elementary)

LIFE IN MOUNTAINS—SWITZERLAND (CORONET)

10 minutes—sound $2.00 2
Taking a six-month seasonal span, this film offers a fascinating study of the conditions and adaptations to living in mountainous regions. It brings to your class a background for study of Switzerland in pictorial form that enriches units from the low eletary grade through adult groups. (Elementary)

LIFE IN NORTHERN LANDS (NORWAY) (CORONET)

10 minutes—sound—color $4.00 4
A Norwegian farm family, living on a fiord near Bergen, shows us how people in a northerly latitude adjust their lives and seasonal occupations to the demands of climate and topography. We see this family first harvesting hay and grains during the short Norwegian summer, and again in the winter, when the children ski to school and their brother and father are occupied with the fishing fleet and forest products. (Intermediate, Jr. High)

LIFE IN OLD LOUISIANA (EBF)

10 minutes—sound $2.00 2
Portrays representative aspects of Louisiana and its key city, New Orleans, during the years of Creole dominance. (Elementary through Sr. High)

LIFE IN THE DESERT (EBF)

11 minutes—sound—color $2.00 2
The type of weather encountered in desert countries is discussed; the heat, the winds that drive dust and sand, the bitter cold of night, the day after waterless day. Time-lapse photography shows us why approaching rain clouds fail to supply water to the desert; we actually see the effect of rising currents of warm air on the clouds that dissipate at the desert's edge. We see streams dry up in the sandy desert floor, and dry

Unit Value

waterholes, mud-cracked in the intense sunlight. The film highlights the adaptation of animal and plant life to the conditions around it. (Elementary through Sr. High)

LIFE IN THE FOREST (EBF)

11 minutes $2.00 2

Shows how forests, like cities, are constantly changing and are densely populated. The probing telephoto lens reveals how even the trunk of a dead tree teems with life. What is food for one denizen may be a threat to another, but all depend on plant life for food and shelter. (Middle, Jr. High, Adult)

LIFE IN THE GRASSLANDS (NORTH AMERICA) (EBF)

11 minutes $2.00 2

Depicts plant, animal and insect life on the grasslands, illustrating the inter-relationships of living things and their surroundings. The beautiful photography should lead to appreciation as well as understanding of the grasslands ecology. (Middle, Jr. High, Adult)

LIFE IN THE SEA (EBF)

11 minutes $2.00 2

This film provides a fascinating glimpse of life under the surface of the sea. It divides sea life into three general groups: the plankton, the bottom dwellers and the free-swimming animals. The film describes the inter-relationship of plants and animals in providing a chain of food and maintaining a delicate balance of life. (Middle, Jr. High, Sr. High, Adult)

LIFE INSURANCE OCCUPATIONS (AM. LIFE INS.)

10 minutes—sound $1.50 1.5

This film is designed for presentation to all vocational guidance classes. It gives accurate descriptions of many of the career opportunities offered by life insurance home offices. (Sr. High through Adult)

LIFE OF A PLANT (EBF)

10 minutes—sound—color $4.00 4

Clearly shows steps in the life cycle of a typical flowering plant, the pea. Identifies the roles of roots, stems, leaves, flower, fruit, and seed. Live-action shots are dramatized through the medium of time-lapse photography. Animated drawings reveal the functioning of the various parts of the plant. (Elementary and Jr. High)

LIFE ON A FRENCH FARM (CORONET)

10 minutes—sound $2.00 2

There is probably no better way to reach a real understanding of another people, another nation, than to live for a little while with a typical family in their home surroundings. That is exactly what your students will do as they watch this film. They'll meet the Duvals, go about their daily tasks with them and learn how we are like them. (Elementary)

Unit Value

LIGHT & SHADOW (YA)

10 minutes—sound $2.00 2
This is an introduction to the nature and behavior of light. Demonstrates how light rays are reflected and explains such terms as *luminous, transparent, translucent, and opaque.* (Elementary)

LIGHT WAVES AND THEIR USES (EBF)

10 minutes—sound $2.00 2
This elementary presentation of light includes a comprehensive explanation of the principles of reflection with plane, concave and convex mirrors. Refraction is clearly revealed in connection with the lenses and with special reference to the human eye. The principles and applications of interference are vividly portrayed. This is followed by interesting sequence on polar screens, the electromagnetic spectrum, and the quantum theory. Animation is employed extensively to visualize otherwise intangible processes. (Jr. High through College)

LIMESTONE CAVERNS (CORONET)

10 minutes—sound—color $4.00 4
The Cave of the Mounds at Blue Mounds, Wis. serves as the locale for this exposition of the phenomena of formation of caves and caverns. The physical and chemical action of water and atmosphere on strata and deposits are illustrated by the formation and growth of stalactites, stalagmites, spattercones and oolites. (Primary through Adult)

LINKAGE

30 minutes—sound $5.00 5
Lecture by Dr. G. W. Beadle. (College)

LITERATURE APPRECIATION: ENGLISH LYRICS (CORONET)

10 minutes—sound $2.00 2
The lyrics of Tennyson, Keats, Wordsworth, Shelley, Shakespeare and other English immortals as translated here through the medium of the motion picture will give students a new appreciation and understanding of the poet's works. The best in lyric language is presented here against the actual English scenes as the poets saw them . . . the Shropshire country as Alfred Housman knew it; the surf at Dover Beach where Matthew Arnold walked; the magic of an English spring as Robert Browning dreamed of it from abroad. (Jr. and Sr. High)

LITERATURE APPRECIATION: HOW TO READ NOVELS (CORONET)

15 minutes—sound $3.00 3
Here is a provocative study of several aspects of the fascinating process of reading a novel. For enrichment and greater appreciation of novels, this film encourages students to find out about the author, to study characterizations closely, and to visualize the setting and action of the story in order to gain pleasure in novel reading and to give improved oral and written book reports. (Jr. High, Sr. High, College)

Unit Value

LITERATURE APPRECIATION: HOW TO READ POETRY (CORONET)

15 minutes—sound $2.00 2
Enjoying poetry is dependent in part on being skilled in reading poetry. In this film your students will discover how understanding the poet, looking for experiences the poet is sharing, and recognizing word devices used to convey the experiences will increase their pleasures in reading poetry. (Jr. High, Sr. High, College)

LITERATURE APPRECIATION: STORIES (CORONET)

13 minutes—sound $3.00 3
This film will increase the interest of students in the appreciation and enjoyment of great literature. They will learn how to approach stories for a better understanding, how to interpret the various types of styles of stories and how to develop an appreciation of the fine stories which have been written. (Jr. and Sr. High)

THE LITTLE BLACK LAMB (EBF)

11 minutes $2.00 2
Tells a delightful story of Mary and her little lamb, a black one, and how it wins a place in Mary's heart. (Primary, Middle)

LITTLE RED HEN (CORONET)

10 minutes—sound—color $4.00 4
This film retells the famous fable of a little red hen in a charming combination of art and live action. The technique is unique, but to the teacher the value of the film lies in the common class experience it offers, the vocabulary development and the interest it excites in all language activities. (Primary)

LITTLE SMOKEY (USDA)

16 minutes—color $1.50 1.5
Presents the story of Smokey, the forest fire prevention bear, as he becomes famous as Smokey the Bear. His career is followed from his burned-out home in the Capitan Mountains of New Mexico to the National Zoo in Washington, D. C.

LITTLEST ANGEL (CORONET)

13 minutes—sound $4.00 4
To the gates of Heaven came a small and very lonely little angel who though he tried to look and act like a good little angel should, just couldn't seem to stay out of trouble. Then one day, the kindly old Understanding Angel granted the Littlest Angel's wish and from day on, the cherub's conduct and appearance were above reproach. Finally came the time when Jesus was to be born. All the angels of Paradise busied themselves with the preparation of their costly gifts. Yet it was the gift of the Littlest Angel that was chosen by God to shine as an inspiration for all men. (Primary through Adult)

LIVE AND LEARN (EBF)

13 minutes $3.00 3
Illustrates some of the common accidents that happen to young-

Unit Value

sters when they act first and think afterwards. Points up the dangers of jumping from a high place, playing with fire, playing in the street, standing in a canoe, running with scissors, and playing with guns. (Middle, Jr. High)

LIVE TEDDY BEARS (The Koala) (EBF)

10 minutes—sound $2.00 2
Portrays the life and habits of the Koala, a strange and fascinating animal of Australia. Discloses the Koala first in a park and then in its native habitat, the Australian bush country. This charming film relates the story of a Koala family—father, mother, and a baby called Teddy. Explains clearly the adaptation of the Koala to its environment, especially in relation to food supply. (Primary and Elementary)

LOBSTERS UNLIMITED (NFB)

14 minutes—sound—color $1.50 1.5
Photographed during the height of the lobster season, the film provides an intimate profile of a Nova Scotia fishing community, showing the importance of the lobster harvest to the livelihood of its inhabitants. Techniques for fashioning traps, buoys and nets, handed down from father to son like a family tradition, are shown in close-up.

LOCATION: NIAGARA (NFBC)

27 minutes—sound—color $1.50 1.5
This color film captures the scenic drama of famous Niagara Falls. From the writings of a 17th century missionary the film quotes, "The water would fall from this formidable precipice and foam and boil in a most hideous fashion." Indians regarded the Falls as the dwelling place of a god. Modern tourists today find them as awe-inspiring as they were centuries ago. The film explores for the benefit of the audience many scenes associated with the history of the Niagara region, as well as the facilities for vacation pleasure that the whole area offers.

LOCUS (KB)

12 minutes—sound $2.00 2
By a combination of animated drawings, regular photographic motion and the spoken word, the entire concept of locus is clearly visualized and explained. This is a film which will prove the advantages of audio-visual instruction in mathematics. (Sr. High and College)

LONG TIME INTERVALS (PSSC)

24 minutes—sound $5.00 5
A discussion of the significance of long time intervals with a detailed description of radioactive dating arriving at an estimate for the age of the earth.

A LONGER SHADOW (S.Reg.Ed.Bd.)

15 minutes—sound $1.50 1.5
Tells the story of the advance made by the Southern Regional Education Bureau in inter-state education. Donald Martin who wanted to be a veterinarian realized his goal by going out of state where veterinary medicine is taught. (High School, College)

Unit Value

LOON'S NECKLACE (EBF)

10 minutes—sound—color $4.00 4
Brings to life a charming Indian legend of how the loon, a water bird, received his distinguishing neckband. Authentic ceremonial masks, carved by Indians of British Columbia, establish the characters of the story and clearly portray the Indian's sensitivity to the moods of nature. Rich color photography, delightful narration, and effective background music make this a thoroughly charming film. (Elementary through Sr. High)

LOUISA MAY ALCOTT (EBF)

20 minutes—sound $3.00 3
Portrays the life of one of America's great and popular women writers. Reveals her complete devotion to her family in the Civil War and mentions her aiding national reform and improvement measures. Emphasizes her success as a writer of human interest stories, with special attention to *Little Women, Little Men, and Jo's Boys.* (Jr. and Sr. High)

LOUISIANA PURCHASE, THE (EBF)

16 minutes—sound $3.00 3
Brings to life an important incident in United States history. Recreates not only the issues of the times but the heated passions which motivated the men who made history.

LUFTWAFFE (McGRAW-HILL)

28 minutes $5.00 5
This dramatic and terrifying story of the rise of the Nazi air force, told for the most part from captured German films, reveals how the powerful German Air Force was secretly created prior to 1939 and the part it played in the Spanish Civil War and in the beginnings of World War II.

LURE OF THE NORTH (NFB)

14 minutes—sound—color $1.50 1.5
Unspoiled lake country of northern Ontario. Fish ranging in size from 20 to 50 pounds are pulled in by a party of fishermen who travel by seaplane and motorboat to Eagle Lake and Lake Keekawa.

MACBETH (EASTIN)

16 minutes—sound $2.00 2
Presents the Murder and Sleepwalking scenes from the famous play. (Jr. High through Adult)

MACHINE MAKER (EBF)

10 minutes—sound $2.00 2
The setting and personnel of a machine tool factory. Demonstrates the operation and manufacture of lathes, millers, planers, drill presses, boring mills, grinders, and other machines. (Sr. High through Adult)

MAGIC OF SULPHUR (BM)

25 minutes—sound—color $1.50 1.5
Produced in cooperation with the Texas Gulf Sulphur Com-

Unit Value

pany, this film tells quite a complete story of the Sulphur Industry from location of deposits in many lands to its shipment uses.

MAGNETIC FORCE (McGRAW-HILL)

27 minutes—sound—color $6.00 6
Explains the modern scientific approach to the study of the earth's magnetic force and reveals how comprehension of this invisible force can give man a better understanding of the far reaches of the Universe.

A MAGNETIC LABORATORY (PSSC)

20 minutes—sound $5.00 5
Professor Bitter's large magnet laboratory at MIT shows equipment used in producing strong magnetic fields; demonstrates magnetic effects of currents and the magnetism of iron. (High School)

MAGNETISM (EBF)

16 minutes—sound $3.00 3
Discusses the laws of polarity, the magnetic field, and terrestrial magnetism. Through its effective treatment of elementary magnetism, the film leads to an understanding of atomic fields. Shows a variety of modern applications of magnetism and the important role of magnets in our technological civilization. (High School)

MAGNETS (YA)

13 minutes—sound $2.00 2
This film teaches a few simple basic facts about bar magnets. Temporary and permanent magnets are explained to Betty and Bob by their father. Betty and Bob learn that like poles repel and unlike poles attract each other; that a suspended bar magnet acts like a compass needle; that a plain bar of steel can be magnetized and made into a bar magnet; that the magnetic force of a magnet will go through such things as glass and paper. (Elementary)

MAILMAN (EBF)

10 minutes—sound $2.00 2
Suggests the importance of mail in our lives especially to a sick child. Follows town and rural letter carriers on daily rounds. Shows how a mailman sorts and delivers incoming mail and picks up outgoing mail. Shows why the rural mailman's car is called a "post office on wheels." Rural carrier delivers letters and packages, and sells money orders and stamps, accepts and weighs parcel post packages, etc. Shows how mailmen go out in all kinds of weather. Emphasizes aspects of mailman's relation to mail service. He performs an efficient routine. (Primary through Jr. High)

MAINLINE, U. S. A. (AAR)

20 minutes—sound—color $1.50 1.5
This film tells the story of America's railroad service to all communities. The railroads provide a vast network of transportation that makes every railroad a "mainline."

Unit Value

MAINTAINING CLASSROOM DISCIPLINE (McGRAW-HILL)

14 minutes—sound $3.00 3
Explores the fundamentals of proper control of class conduct and attitude. Contrasting methods of handling a class are demonstrated. (College and Adult)

MAJOR RELIGIONS OF THE WORLD (EBF)

20 minutes—sound—color $4.00 4
This film presents an objective survey of the origins, rituals and symbols of the major religions of the world today—namely, Hinduism, Buddhism, Judaism, Christianity, and Mohammedanism. Designed to help inspire an appreciation for, and tolerance of, the principal religious faiths held by most of the world's people. (High School and Adult) (Social Studies)

MAKE WAY FOR THE QUEEN (MOT)

23 minutes—sound $1.50 1.5
Preparation for the coronation of Elizabeth.

MAKE YOUR OWN DECISIONS (CORONET)

10 minutes—sound $2.00 2
Making decisions is a skill that everyone should learn as a prerequisite to more mature and successful living. Failure to make decisions often leads to worry and even ill health. This film presents a series of five questions that illustrate the alternatives that exist in every situation and shows haw each contributes to making a self-reliant and a psychologically mature individual. (Jr. and Sr. High)

MAKING BOOKS (EBF)

10 minutes—sound $2.00 2
Traces each important step in the manufacture of books—from author's manuscript to completed book. Reveals how type is first set by linotype; how it is locked into page form; and how electroplates are made. We then see how the sheets are printed, cut, folded, and bound; how covers are made and attached; and how each book is finally enclosed in a bright-colored jacket. (Primary and Elementary)

MAKING COTTON CLOTHING (EBF)

10 minutes—sound $2.00 2
Tells the story of a child's cotton print dress from the designing of the original to the pressing and packing of hundreds of dozens of garments in a modern mass production garment factory. Hand methods are contrasted with quantity production technique. (Elementary through Sr. High)

MAKING ELECTRICITY (EBF)

11 minutes—sound $2.00 2
Provides a fascinating demonstration of how electricity is made by moving a coil of wire through the field of a magnet. Explains first how a small, hand-powered generator is constructed and how it operates; then illustrates how the same principle applies in generating electricity at a large hydro-electric plant. Reveals finally how electricity is carried over power lines to the consumer. (Elementary)

Unit Value

MAKING ELEMENTS

29 minutes—sound $5.00 5
A team of scientists reenact their synthesis, isolation, and identification of element 101, Mendelivium. Shows and demonstrates methods and special equipment used in handling radioactive materials. Presents film records of actual work related to the discovery and members of the discovery team participating in the film include Albert Ghiorso, Dr. Bernard Harvey, Thomas Parsons, and Dr. Stanley G. Thompson.

MAKING FRIENDS (EBF)

11 minutes—sound $2.00 2
Illustrates with a series of brief scenes various kinds of friendships. Three different high school students have friendship problems. The film describes how each student attempts to solve his problem. Points out definite qualities of friendship and ways of making friends.

MAKING HIM MAN (AUST-INST)

9 minutes—sound $2.00 2
This unique film was taken during the 1952 University of Sydney Anrhem Land Expedition. It shows the slow process of sacred ceremonies that a fourteen year old Australian Aborigine boy, on the path to manhood, must go through to make him man.

MAKING OF A MURAL (EBF)

10 minutes—sound—color 4.00 4
Thomas Hart Benton makes a mural for a Missouri department store. All stages of preparation and work are shown, from the conference with a store president to the final mounting of the mural on the wall. Mr. Benton experiments first in rythmic designs to fit the oblong space. Developing a design based on a Greek myth, he sketches the layout, makes a clay model in order to get unusual lighting effects, makes a small painting from the model to determine the color combinations, uses live models to make larger clay models with all necessary details, makes an exact cartoon drawing of the entire design, transfers the design to the canvas, mixes the paints, does the actual painting, adds details and covers the entire canvas with wax. (Jr. High through College)

MAKING SENSE WITH OUTLINES (CORONET)

11 minutes—sound—color $4.00 4
Collaborator: Paul R. Wendt, Ph.D., Professor of Education, Southern Illinois University. A planned visit to a fruit farm led a class to organize their questions in outline form. Reasons for a breakdown of the subject matter into major topics and subtopics with the proper lettering and punctuation are emphasized. The outline led to greater enjoyment of the field trip and later, to organizing other subjects of class interest. (Intermediate, Junior High)

MAKING SENSE WITH SENTENCES (CORONET)

10 minutes—sound $2.00 2
Why should we use complete sentences when we write? Often we do not speak in complete sentences, yet we are understood.

Unit Value

What is a complete sentence, anyway? These and other questions about "Complete thoughts" and how they are expressed are answered in this unusual film (Elementary)

MAKING SHOES (EBF)

11 minutes—sound $2.00 2

Designed to show elementary school children how shoes are manufactured in modern American factories. It traces the entire process from cutting the leather through assembly of various parts of the shoe and final polishing and packing. One of a series of films to show children how modern technology affects everyday life. (Primary through Jr. High)

MALAY PENINSULA: THE LAND & THE PEOPLE (CORONET)

10 minutes—sound $2.00 2

Importance of this Asiatic peninsula to our enemy is dramatized in this review of its economy and culture. Audiences will see the relationship of the hot, wet climate to the way the people of the Malay Peninsula live and how the people produce tin, rubber, tea and copra. This film shows the development of trading centers such as Singapore with its striking contrast between East and West. (Jr. and Sr. High)

MALAYA—Nomads of the Jungle (UWF)

20 minutes—sound $4.00 4

The moment this picture begins you experience the illusion of actual presence in a Malayan jungle and participation in the every-day life of a typical nomad family. You hear the chatter and laughter of care-free moments and you understand perfectly how these people plan their lives, anticipate their needs and meet their problems in relation to climate, environment, natural resources. This is background. The story centers upon the development of a boy approaching maturity and his preparation for adult responsibilities in which can be seen the same basic needs for skills and knowledge required of any child in any land. (Elementary through Adult)

MAMMALS ARE INTERESTING (EBF)

11 minutes—sound $2.00 2

Defines the concepts needed to understand the distinguishing characteristics of mammals. Includes striking close-up views of some forty different animals—from the one celled protozoa to the highly intelligent chimpanzee. Points out the differences between vertebrates and invertebrates, cold-blooded and warm-blooded animals; and classifies several well-known groups of mammals—the hoofed mammals and other plant eaters, the carnivora, the rodents, and the primates. (Elementary through Sr. High) (Animals and Biology)

MAMMALS OF THE ROCKY MOUNTAINS (CORONET)

10 minutes—sound $2.00 2

Moving up the mountain from the valley grasslands through the wooded slopes and alpine meadows to the barren heights, we see how animals typical of each mountain zone adapt themselves to the changing seasons. The film shows how the mountain goat, bighorn sheep, mule, deer, marmot, porcupine, and others solve their particular problem of food supply. (Jr. and Sr. High)

Unit Value

MAMMALS OF THE WESTERN PLAINS (CORONET)

10 minutes—sound $2.00 2
Here the plant-eaters and meat-eaters of the plains illustrate the inter-relationship of the wildlife in any area. Striking action scenes of the animals in their natural habitat show how the buffalo, antelope, timber wolf, and others are fitted to find their food and to protect themselves. (Jr. and Sr. High)

MAN AND GOD (EBF)

30 minutes—sound—color $6.00 6
Using scenes from the play we are made aware of the ideas and the reasons behind those ideas as they were present in fifth-century Greece.

MAN WHO KNOWS IT ALL, THE (Ind. U.)

28 minutes—sound $5.00 5
Considers the nature and consequences of the "disease of allness," an attitude present in the person who says or implies that what he knows about a thing is all that can be said. Shows that when "allness" exists, mental growth is inhibited and tension is likely to develop in our conversation with others. Suggests that the cure of "allness" is an awareness that more can be said. Argues that this awareness is the difference between a growing man and a bigot. (College and Adult)

MAN WHO MISSED HIS BREAKFAST (C)

28 minutes—sound $2.00 2
A story of nutrition. The Warren family and Uncle Bill—the man who missed his breakfast. Never, says Uncle Bill, has there been greater need for Americans to be strong, healthy and able to perform the jobs confronting each of us. We must eat properly, so that we have strength, energy and stamina to do these jobs. (Elementary through Adult)

MANITOBA TRAILS (NFBC)

27 minutes—sound—color $2.00 2
This film recalls, through paintings and pictures of frontier history, some of the romance of the wilderness which preceded settlement of the Province—the days of the Indian, the buffalo hunt, French and British fur-trade rivalry, and the early law enforcement of the Royal Canadian Mounted Police. Whatever a vacationer's preference, Manitoba has it.

MANUAL TRAINING, ELEMENTARY (BRANDON)

10 minutes—sound $2.00 2
We see a youngster start with the plans and work to a polished finish, a gift box. He is taught to use the saw, plane, a veining tool, cleats, glue and nails. Produced under the direction of Edward T. Hall of the Universal School of Handicraft, New York. (Elementary and Jr. High)

MAPS ARE FUN (CORONET)

11 minutes—sound—color $4.00 4
Introduces the fundamental concepts of map reading—legend, scale, grid, types of maps, uses of color, how to read a map index, etc. An incentive and orientation film for intermediate grades. (Elementary and Jr. High)

Unit Value

MARINE HIGHWAY (NFBC)

19 minutes—color $1.50 1.5
A camera tour of Nova Scotia's scenic ocean route, Highway No. 7. Picturesque names like Clam Bay, Sheet Harbor, Mahone Bay, Portuguese Cove and Ecum Secum suggest the quaint maritime atmosphere. Scenes vary from surf crashing on rocky crags to peaceful villages dividing activity between fishing and farming. It gives full coverage to seasonal sports activities and to lend a salty air the film includes a number of old Nova Scotia folksongs telling tales of the sea.

MARITIME PROVINCES OF CANADA (EBF)

10 minutes—sound $2.00 2
Located in the extreme southeastern part, the Maritime Provinces include three small provinces: the peninsula of Nova Scotia with Cape Breton Island on the Atlantic; Prince Edward Island in the Gulf of St. Lawrence; and New Brunswick. (Elementary through Adult)

MARRIAGE IS A PARTNERSHIP (CORONET)

15 minutes—sound $3.00 3
Too often today, young people regard marriage as a goal in itself. Under the influence of romantic fiction, they tend to believe that all it takes to "live happily every after" is love. This motion picture sets out to establish a positive approach to the realities of marriage—to answer some of the major problems that arise during the first year of marriage; arguments, responsibilities, decisions, loyalties and other marital questions are raised and discussed in this film story. (Sr. High)

MARY HAD A LITTLE LAMB (CORONET)

10 minutes—color—sound $4.00 4
Reenacted with real storybook flavor, the traditional poem about Mary and her lamb will enthrall primary-grade children. Through charmingly live-action style, the delightful story unfolds to create a background for reading, memorizing, singing and youthful art activities. (Primary)

MASS OF THE ELECTRON (PSSC)

18 minutes—sound $5.00 5
Using a cathode ray tube encircled by a current carrying loop of wire, measurements are taken which enable the demonstrator to calculate the mass of the electron with reference to the MILLIKAN EXPERIMENT. The calculations are brought out in detail, step by step.

THE MATHEMATICIAN AND THE RIVER (McGRAW-HILL)

20 minutes—sound—color $2.00 2
An illustrative problem in applied science, flood control on the Mississippi River, is used to show the relationship between the "abstract" world of mathematics and the "real" world of nature. With Eugene Isaacson of NYU's Institute of Mathematical Sciences.

Unit Value

MATTER & ENERGY (CORONET)

10 minutes—sound $2.00 2
This film shows that everything in the universe is either matter or energy. Matter in its different forms, physical and chemical change, the laws of conservation of matter and energy, etc. are visualized by the sound and motion of real-life examples, supplementing expert laboratory demonstration. (Jr. and Sr. High)

MATTER WAVES (PSSC)

28 minutes—sound $5.00 5
Dr. Germer presents a modern version of the original experiment which showed the wave behavior of the electron. The student sees electron diffraction patterns on a fluorescent screen. The patterns are understandable in terms of wave behavior; Alan Holden presents an optical analogue showing almost identical patterns. The electron diffraction experiments of G. P. Thomson are described by Holden who also presents brief evidence for the wave behavior of other particles such as neutrons and helium atoms. (High School)

THE MAYAS (CORONET)

11 minutes—sound—color $4.00 4
The Mayan civilization comes to life with these first films of the ruins of Tikal of the Old Empire and scenes of Uxmal and Chichen Itza of the New Empire. (Intermediate, Jr. High, Sr. High)

MEANING OF ENGAGEMENT, THE (CORONET)

15 minutes—sound $3.00 3
The engagement period should be an important step in preparing for a successful marriage. The function of the engagement period is to develop psychological unity, to learn to know each other, and to plan for the future. The film also discusses the delicate problem of "breaking an engagement" and when it is the wisest choice. (Sr. High, College)

MEANING OF FEUDALISM (CORONET)

10 minutes—sound $2.00 2
Students are sure to get a new history experience when they see and study a feudal castle with Jacques, a French boy who lives in an ancient town below the castle. The film presents the physical elements, and more, it re-creates the flavor and spirit of feudal times. (Jr. and Sr. High)

MEANING OF THE INDUSTRIAL REVOLUTION (CORONET)

11 minutes—sound—color $4.00 4
This film tells of the significance of the Industrial Revolution—the changes from hand tools to machines and from water power to steam—and how it revolutionized the west.

MEANING OF LONG DIVISION (EBF)

10 minutes—sound $2.00 2
Explains simply and clearly the meaning of long division. Shows first that long division takes the place of a tedious succession of simple subtractions. Then, by means of unique animated diagrams, the film explains how the operation is shortened and

Unit Value

simplified by grouping the subtractions. To further clarify the concept, two representative problems are solved graphically in animation. (Jr. and Sr. High)

THE MEANING OF PATRIOTISM (CORONET)

13½ minutes—sound—color $5.00 5
In a series of dramatic vignettes depicting American patriots of the past, this film shows that ordinary people today may in various ways achieve uncommon service to their country. (Intermediate, Jr. High)

MEANING OF PERCENTAGE (YA)

11 minutes—sound $2.00 2
Provides an introduction to the meaning of percentage by relating it to the student's previous understanding of fractions and decimals. (Elementary and Jr. High)

MEANING OF PI (CORONET)

10 minutes—sound $2.00 2
This film develops an understanding of this important mathematical ratio and outlines a study procedure by which the numerical value of pi can be checked and reviewed. In careful step-by-step procedure, the numerical value of pi is arrived at and sequences showing the use of circles in art, industry and commerce help to fix the value firmly in the student's mind. In a closing historical sequence, the discovery of pi is described as one of the great advances in history. (Jr. and Sr. High)

MEANING OF PLUS AND MINUS (EBF)

10 minutes—sound $2.00 2
Shows how the words "plus" and "minus" and their corresponding signs are associated with actions. That is, "plus" belongs with joining actions, while "minus" goes with separating actions. This association of symbol with action is made especially clear by this picture and provides sound basic understandings vital to later mathematical competence. (Primary)

MEASUREMENT (CORONET)

11 minutes—sound $2.00 2
Don finds that the whole pattern of his life is interwoven with measurement. Time, temperature, liquid measure, weight, cubic, square, and linear measure permeate the fabric of society. The illustrations are simple, such as counting money, but they explain the importance of standardized measure. (Intermediate)

MEASUREMENT (PSSC)

22 minutes—sound $5.00 5
The measurement of the speed of a rifle bullet is used as the basis for a discussion of the art of measurement. Problems that are met and discussed include noise, bias, use of black boxes and the element of decision in all measurements. (High School)

MEASUREMENT OF ELECTRICITY (CORONET)

10 minutes—sound $2.00 2
Don, concerned about overloading a household circuit, falls asleep while studying a book of electricity. In his dream, which

Unit Value

follows, the four scientists, whose names have been adopted as the four basic units of electrical measure, speak to him from the book. This film teaches the fundamental definitions and the physical concepts involved in . . . the Volt, Ampere, Ohm, and Watt. (Jr. and Sr. High)

MEASURING LARGE DISTANCES (PSSC)

29 minutes—sound $5.00 5

Using models of earth, moon and stars, Dr. Watson describes the place of triangulation, parallax and the inverse square law for light in geophysics and astronomy; his demonstrations point up the immensity of interstellar space, and suggest the complexities of measurement on this scale.

MEASURING SHORT DISTANCES (PSSC)

20 minutes—sound $5.00

Starts with the centimeter scale, moves on to microscopic dimensions, and then to the dimensions of atoms by means of Erwin Mueller's field emission microscope. Shows how calibration of instruments can give us accurate knowledge of these small distances.

MECHANICAL APTITUDES (CORONET)

10 minutes—sound $2.00 2

A high school boy goes to the school counselor for help in choosing his electives. Sound guidance practices are demonstrated as the two work toward a decision based on the boy's interests, abilities, and future plans. Ways to test mechanical interests and abilities and to increase mechanical abilities are shown. (Jr. and Sr. High)

MECHANICAL ENERGY AND THERMAL ENERGY (PSSC)

27 minutes—sound $5.00 5

This film shows several models to help students visualize both bulk motion and the random motion of molecules. It shows their interconnection as the energy of bulk motion. Demonstrates random motion and how such motion can average out to a smooth effect. Shows model of thermal conduction. Demonstrates a model using dry ice disc and small steel balls, in which bulk mechanical energy of the disc is converted to "thermal" energy of random motion of the balls. Develops a temperature scale by immersing canisters of two gases in baths of various temperatures, reading the resulting pressure; through this, explains the origin of the absolute temperature scale. (High School)

MECHANICS OF LIQUIDS (CORONET)

10 minutes—sound $2.00 2

As an introduction to hydrostatics, this film relates the subject to everyday objects around us by showing that water systems in our homes, in towns and on farms serve us because of definite scientific principles. Pascal's law of pressure on confined liquids is interpreted in terms of hydraulic machines; Archimedes' principle of buoyancy is translated in terms of swimming. Effective animation clarifies the teaching of the important points regarding the mechanics of free and confined liquids. (Jr. and Sr. High)

Unit Value

MECHANISMS OF BREATHING (EBF)

10 minutes—sound $2.00 2
The breathing mechanism in operation. Technical animation of gaseous exchange in lungs and body tissue cells, including pathological conditions. Demonstration of artificial respiration. Nervous control of breathing and factors affecting rate and depth of breathing. (Jr. High through College)

MEDIEVAL CRUSADES, THE (EBF)

27 minutes—sound $5.00 5
This film discusses the crusades that followed the first conquest; the film dwells on the innovations which the crusades brought to Western Christianity. Through contact with Eastern science, philosophy, and strategy, life at Montbref estate and all over Europe changed and widened the horizons of the medieval world. (Jr. High, Sr. High)

MEDIEVAL GUILDS, THE (EBF)

21 minutes—sound $3.00 3
To tell the story of guilds, the film creates a composite medieval community which can be studied from inception to final development. The film takes us to a master shoe-maker's shop, where we see the initiation of an apprentice; the everyday life of apprentice and journeyman; and a routine inspection by wardens of the guild. A series of colorful scenes offer glimpses of a meeting in the guild hall, and of members enjoying themselves at a guild celebration. (Jr. High, Sr. High)

MEDIEVAL KNIGHTS, THE (EBF)

22 minutes—sound $3.00 3
A vivid dramatization of the education of a knight. In the year 1192, Robert de Goncourt comes to Montbref Hall to learn chivalry and fighting skills. At the age of seven, Robert begins learning behavior, dancing and music, reading, and Latin, and also horsemanship. At fourteen, Squire Robert learns fighting skills, and at twenty-one, he becomes Sir Robert, in the time-honored ceremony dubbing him knight. (Jr. and Sr. High)

MEDIEVAL MANOR, THE (EBF)

21 minutes—sound $3.00 3
This film shows how labor is divided in the fields and illustrates some of the daily problems in the village. The seneschal visits the village to demand separate donations for the wedding of the lord's eldest son. We see the preparations of food for the banquet and in the yard we watch the games played by the noble class of the Middle Ages. (Jr. High, Sr. High)

MEDIEVAL WORLD (CORONET)

10 minutes—sound $2.00 2
From the English-walled city of York, from the Flemish guildhalls of Ghent, from the French cathedral of Chartres comes the film framework of The Medieval World. Knights and feudalism, Chaucer's Pilgrims, castles and crusades—these words and ideas take on meaning and relationships in this exciting visualization of medieval times. (Jr. and Sr. High)

Unit Value

MEET YOUR FEDERAL GOVERNMENT

15 minutes—sound $2.00 2
For junior and senior high school studies, for the purpose of motivating and introducing a study of the structure and function of our federal government. Explains the powers of the federal government as well as the nature and function of each of the three main branches. (Jr. High through College)

MEETING THE CHALLENGE (B&O)

29 minutes—sound—color $1.50 1.5
The film shows modern scenes and gives a remarkable comprehensive survey of operations on the 6,000 mile B&O Railroad. Included in such shots are the operation of the great Curtis Bay Coal Pier and of the great new coal and ore docks of the B&O at Lorain, Ohio on Lake Erie. (Jr. High through Adult)

MEETINGS THE NEEDS OF ADOLESCENTS

19 minutes $3.00 3
The story of a 14-year-old boy and his 17-year-old sister, pointing out what parents can do to help adolescents.

MEHALLA (HWO)

6 minutes—sound $1.50 1.5
At Mehalla, eighty miles north of Cairo, on the Nile River, an industrial miracle is taking place. Here, one of the world's greatest textile mills has been constructed and a "modern paradise" represents the last word in housing, recreations, and educational facilities for the 26,000 employees. It includes a library, cultural center, mosque, theater, swimming pool and schools. Over 1,000,000,000 yards of fabric from Egypt's famous long staple cotton is produced here annually. (Jr. High through Adult)

MEIOSIS

30 minutes—sound $5.00 5
Lecture by Dr. R. E. Cleland. (College)

MENDEJ'S PROOF OF EXISTENCE OF GENES

30 minutes—sound $5.00 5
Lecture by Dr. L. C. Dunn. (College)

MENDEL'S "RECOMBINATION"

28 minutes—sound—color $5.00 5
Guest lecturer—Dr. Curt Stern, University of California. Uses several crosses to illustrate recombination. Concludes that a genotype results from the assemblage of many genes, and that genes are the basis of individuality, of development, and of life itself.

MENDEL'S "SEGREGATION"

28 minutes—sound—color $5.00 5
Guest lecturer—Dr. Curt Stern, University of California. Describes Mendel experiments and explains his law of segregation. Demonstrates how a cross is made using the pea plant and defines Mendel's terms parental, first filial, dominant, and test cross.

Unit Value

MEN OF GLOUCESTER (FORD)

20 minutes—sound—color $1.50 1.5
Portrays the Cape Ann section of Massachusetts, the scenes of the landing of the first white settlers in America early in the 1600's. The picture shows the crew of a topline mackerel seiner actually hauling mackerel from the sea more than ninety miles offshore. (Elementary through Adult)

MEN WHO GROW COTTON (C)

21 minutes—sound—color $5.00 5
Opening with scenes of the color and gaiety of the Cotton Carnival in Memphis, this picture visualizes and emphasizes the dependence of the South upon cotton. Behind the romance of the carnival is the reality of growing and marketing cotton. Today, the men who grow cotton face competition from other industries and from industrial products in this country—rayon, nylon, and paper. (Jr. High through Adult)

MENTAL HEALTH (EBF)

12 minutes—sound $2.00 2
Vividly defines good mental health, describes its attributes, and discusses its importance to the individual and to society. The film sets forth a series of simple, straightforward rules for "keeping mentally fit," and illustrates them with incidents from the lives of various members of a high school graduating class.

MENU PLANNING (CORONET)

10 minutes—sound $2.00 2
Well balanced, attractive meals, planned to fit within a budget, are necessary for healthful family living. This film shows how one family learned how to apply four tests for good menu planning: Do the meals fit within the budget? Are the foods attractive to the family? Can the foods be prepared in the time available? Do the meals meet the dietary need of the family? (Jr. and Sr. High)

MESSAGE TO NO ONE (Champion Paper)

25 minutes—sound—color $1.50 1.5
Through the presentation of an average family's day, and the father's day at the office, this film depicts the difference between listening and hearing. The goal of a good listener is "total awareness" and "listening between the lines" thereby getting a great deal more out of life. (College-Adult)

MEXICAN CHILDREN (EBF)

10 minutes—sound $2.00 2
Reveals the home, school, and play life of two Mexican children, Aurora and Mateo. (Primary through Jr. High)

MEXICO: GEOGRAPHY OF THE AMERICAS (CORONET)

10 minutes—sound—color $4.00 4
Intimate glimpses of the farmers, miners, cattle ranchers, factory workers and city dwellers of Mexico, and the relationships of these occupations to the varied geography of their country are shown. These form the basis of this film designed to create

Unit Value

a fuller understanding of the closest southern neighbor of the United States. Scenes on Mexican history and current affairs near the end of the film will stimulate further class discussions. (Intermediate, Jr. High)

MEXICO VALLEY—Adobe Village (UWF)

20 minutes—sound $4.00 4

This film lesson vividly illustrates how areas colonized by Spanish peoples in the Western Hemisphere are characterized by much "blood-blending" and have developed a maize culture with life centered in the village, especially the church of the village. The central plateau of Mexico well illustrates this geographic principle. Here one finds a mixture of Indian and Spaniard blood (Mestizos). The peasants are seen practicing a maize culture (mostly hoe culture). Their life is centered in the market town, and they are particularly close to their church. (Elementary through Adult)

MICROSCOPE & ITS USE (YA)

11 minutes—sound $2.00 2

A demonstration film explaining the basic parts of the microscope, its function, and its use. Explains thoroughly, step by step, the method of learning to operate and use the microscope properly. Attention is given throughout the film to proper care of the instrument. (Elementary through Sr. High)

MIDDLE EAST, THE: CROSSROADS OF THREE CONTINENTS (CORONET)

15 minutes—sound—color $5.00 5

The significance of being international crossroads, the scarcity of rainfall and water supply, and the importance of rich oil deposits are the three key ideas developed in relation to the countries of the Middle East. Their need for water and its effect on their economy is illustrated. A crossroads of peoples, historic cultures, and trade, the Middle East today has developed oil as a major resource. This valuable product has had an important effect on the relations of the Middle East with the rest of the world. (Intermediate)

MIDDLE STATES (EBF)

10 minutes—sound $2.00 2

Presents in sequential form an overview of man's use of resources in the states of Minnesota, Iowa, Missouri, Illinois, Wisconsin, Michigan, Indiana and Ohio. (Jr. High through College)

THE MIDNIGHT RIDE OF PAUL REVERE (CORONET)

11 minutes—sound $2.00 2

This re-creation of the exciting events of Longfellow's poem helps develop an appreciation for literature based on our history, and provides a better understanding of the pre-Revolutionary period. (Intermediate, Jr. High)

MIDSUMMER NIGHT'S DREAM, A: INTRODUCTION TO THE PLAY (CORONET)

15 minutes—sound $3.00 3

Key scenes from *A Midsummer Night's Dream* are staged. Familiar passages and significant actions are used to illustrate the

Unit Value

setting in which the characters act, their relationships to one another, and plot of the play. Narrative exposition also clarifies the way and the language they speak. (Sr. High, College)

MIDWEST USA—Cattle and the Corn Belt (UWF)

20 minutes—sound $4.00 4

In this film we learn how the people who live and work on the vast areas of level land, which constitute our midwestern plains produce large quantities of food for the people of the world and feed for livestock. In the western part, lands are used for grazing livestock which are later shipped eastward to as the moister section of the central states commonly referred to as the Corn Belt. Here a mixed type of agriculture is dominant. Cattle and hogs are fattened for market on the corn and other crops raised on the farm. As a result of these agricultural activities, the Central States have millions of people and many large cities. (Elementary through Adult)

MIGHTY COLUMBIA RIVER (CORONET)

10 minutes—sound $2.00 2

The largest North American river to flow into the Pacific shows all its force, vitality and beauty in these scenes. Put to work by Grand Coulee and Bonneville Dams, the Columbia displays itself as one of the world's greatest sources of hydro-electric power . . . a busy pathway of shipping traffic, a rich fishing bed for the salmon industry and a sources of irrigation for the broad farmlands of the Northwest. (Jr. and Sr. High)

MIKE MAKES HIS MARK (NCEA)

29 minutes—sound—color $1.50 1.5

This motion pictures shows what a school can do in helping to prevent juvenile delinquency. It is the story of a boy and his future.

MILK (EBF)

10 minutes—sound $2.00 2

Presents the dramatic story of milk from the dairy farm to the table. Photographic sequences depict the use of milk in the home, the dairy herd, milking and the care of cows, and the pasteurization and bottling of milk in a modern plant. The use of machines is emphasized without stressing technical details. An important film for helping to acquaint children with our modern industrial society: for developing appreciation of the contributions of technology to home life. (Primary and Elementary)

MILLIKAN EXPERIMENT (PSSC)

30 minutes—sound $5.00 5

Simplified Millikan experiment described in the text is photographed through the microscope. Standard spheres substituted for oil drops, X-rays used, charge related to velocity of sphere across field of view of microscope. Emphasizes the evidence that charge comes in natural units that are all alike; numerous changes of charge are shown, with the measurements clearly seen by the audience. Professor Friedman gives an introduction and running commentary; Dr. Redfield does the experiment.

Unit Value

MINERALS AND ROCKS (STONES OF THE EARTH) (EBF)

16 minutes $3.00 3
The camera follows two young rock collectors as they gather specimens and make standard identification tests, such as color, streak, hardness, chemical and fracture tests. The film also shows how igneous, sedimentary, and metamorphic rocks were formed, and explains ways of recognizing each. (Middle, Jr. High)

MIRACLES FROM AGRICULTURE

13½ minutes—color $1.50 1.5
The story of high-quality foods, when, where, and in the forms we want them—the result of efficient production and marketing; of farm products with new qualities for consumer and industry. Reports on today's farming and ranching, marketing, processing, storing, transporting, and merchandising of food and other agricultural products. Emphasizes the role of research and agricultural services from farm to market to home. TV.

MISSOURI—A LIVING PORTRAIT (Missouri Div. of Commerce & Industrial Development)

24 minutes—sound—color $1.50 1.5
This film emphasizes the recreational, cultural, and historical aspects of the "Show-Me" state. It also contains an informative prologue by Missouri's famous painter, Thomas Hart Benton.

MR. FINLEY'S FEELINGS (AF)

10 minutes—sound—color $1.50 1.5
This film was designed especially to encourage discussion to stimulate questions and comments, and to provoke an exchange of ideas about ways of meeting stress situations and handling day to day relationships with people. (College and Adult)

MR. WITHERS STOPS THE CLOCK (ALLEY PROD.)

27 minutes—sound—color $1.50 1.5
Depicts some of the benefits an airport confers on a community. (High School, Adult)

MITOSIS

30 minutes—sound $5.00 5
Lecture by Dr. R. E. Cleland. (College)

MITTENS, THE KITTEN (CORONET)

10 minutes—color—sound $4.00 4
Creative expression is encouraged in this delightful story about a little girl and her kitten. Words such as nursing, drink, play, whiskers and climb are matched to scenes defining their meaning and children are aided in verbalizing their experiences with kittens and other animals. (Primary)

MODERN ALCHEMY

29 minutes—sound $5.00 5
Dr. Seaborg and his associates describe the discovery of the four "missing elements," technitium, astatine, Francium, and Promethium. Emphasizes the role of the cyclotron in the creation of synthetic elements. Dr. Earnest O. Lawrence explains the

Unit Value

operation and development of high voltage accelerators from the first eight inch cyclotron to the mammoth betatron. Dr. Emilio Segre, a participant in the discovery of the first synthetic element, describes and demonstrates the technique used by him to identify astatine.

MODERN BASKETBALL (OSFS)

28 minutes—sound .....$2.00 per day
Interpretation of the basketball rules demonstrated by skilled high school and university players—how the ball becomes dead—illustrations of personal and technical fouls—violations—rights of player in possession of ball, player without the ball—dribbling—feinting—screening—air dribble—crowd scene. (Jr. High through Adult)

MODERN FRANCE: THE LAND & THE PEOPLE (CORONET)

10 minutes—sound $2.00 2
Audiences will see the France of today—from the wheat fields of Normandy to the steel mills of Nancy. Steel workers, grape growers, fishermen and truck gardeners all are here to bring a modern, "human" approach to any study unit on France. (Jr. and Sr. High)

MODERN HAWAII (CORONET)

10 minutes—sound $2.00 2
The strategic position of the Hawaiian islands, their origin, settlement and industries are presented here against a background of the island's culture. Hawaii's position in the mid-Pacific makes it unusual geographically and important strategically. In an overview of the islands we see the important relationship between geography and geology and their effect upon the economy of Hawaii. (Jr. and Sr. High)

MODERN LITHOGRAPHER (EBF)

11 minutes—sound $2.00 2
Describes in detail the techniques of lithographic artists and the processes of duplicating black and white and color originals by means of direct and off-set lithography. The role of the commercial photographer and the modern printing press in the mass production of attractive art prints, including advertising materials, are portrayed. (Jr. High through Adult)

MODERN TECHNIQUES IN LANGUAGE TEACHING (TFC)

32 minutes—sound $5.00 5
This film reinforces and expands the techniques of language teaching explained and illustrated in Films 1, 2, 3, and 4, in this case using English as the second language to be learned. Classes shown include a third grade class of Spanish speaking children, a ninth grade class of Spanish speaking adolescents and an Adult class of speakers of languages from the Mid East, Far East, Africa, Europe and South America.

THE MOHAMMEDAN WORLD: BEGINNINGS AND GROWTH (CORONET)

11 minutes—sound—color $4.00 4
This study of Mohammedan history, religion, politics language

Unit Value

and art—filmed in famous Moslem centers—traces the impact of this way of life on western culture. (Jr. High thru Adult)

MOLECULAR THEORY OF MATTER (EBF)

10 minutes—sound $2.00 2

Evidence of molecular activity in gases, liquids, and solids is presented in support of the molecular theory of matter. Animated drawings explain such phenomena as the diffusion of gases, the evaporation of liquids, and the transformation of liquids into solids, in terms of the theory. Among the features of the film are the machine gun illustration of force exerted by molecules in motion, and the microscopic view of the Brownian movement, direct evidence of molecular motion. (Jr. High through College)

MOLLUSKS (SNAILS, MUSSELS, OCTOPUSES, AND THEIR RELATIVES) (EBF)

14 minutes $3.00 3

Discusses the five classes of mollusks, picturing their physical characteristics, reproduction processes, feeding habits, and ways of protecting themselves. Shows the special habitat in which each of these animals is to be found. Touches upon the ways in which members of the mollusk family are useful to man. (High, Sr. High, College)

MONARCH BUTTERFLY (EBF)

10 minutes—sound—color $4.00 4

Portrays the four stages in the life cycle of the Monarch butterfly. Close-up photography depicts the monarch laying its eggs, and shows the caterpillar eating its way out of the egg, feeding, molting, forming its chrysalis, and emerging as a butterfly. (Elementary through Sr. High)

MONKEY ON THE BACK (McGRAW-HILL)

27 minutes—sound $5.00 5

Based on an actual case history of a man who struggles against drug addiction for twenty years and finally dies from an overdose, this film explores the causes and the terrible consequences of addiction for the individual and society. National Film Board of Canada. (College and Adult)

A MONKEY TALE (BICYCLE SAFETY) (EBF)

9 minutes $2.00 2

This unusual film from New Zealand contains amusing and effective illustrations of both the safe and the dangerous ways to ride a bicycle. The demonstrations are performed by a family of monkeys. (Primary, Middle)

THE MONKEY WHO WOULD BE KING (EBF)

11 minutes $2.00 2

With real animals playing all the roles, a popular fable comes to life in this appealing film. When the mighty lion decides he is tired of being King of the Beasts, all of the animals meet to see whom he will choose to be the new king. The monkey snatches the crown, and the lion says, "Let him be king if he thinks it's fun." Through a clever plot, planned for the fox, the monkey

Unit Value

learns that it takes more than a crown to make a king. (Primary)

MONTREAL (NFB)

20 minutes—sound—color $1.50 1.5
A portrait of a great bilingual city set against a backdrop of the changing seasons. Panoramic views from the top of Mount Royal merge into scenes of the spreading harbor and close-ups of venerable landmarks which still stand to remind inhabitant and visitor alike of the city's Old World Heritage.

MOON, THE (EBF)

10 minutes—sound $2.00 2
The technique of animation and other cinematic devices present the story of the moon. The different concept of tides explained, as are the phases of the moon. Other lunar phenomena explained by special cinematography and animation are: the moon's orbit; the lunar month; sunrise and sunset on the moon; occultation of stars; the moon's path in space; lunar eclipses; and solar eclipses. (Jr. High through College)

MORE POWER FOR ALL (VEPCO)

19 minutes—sound—color $1.50 1.5
Story of the Virginia Electric Power Company dam at Roanoke Rapids, N. C., the long court battle, the world war and other problems. (Jr.-Sr. High, College)

MOSQUITO (EBF)

10 minutes—sound $2.00 2
Reveals the life cycle of the mosquito, and emphasizes importance of malaria mosquito control. With remarkable close-up photography, the film portrays egg-laying, egg hatching, the molting process, the pupa stage, and the emergence of the adult mosquito. It then presents examples of areas where mosquitoes breed, and demonstrates effective methods for combatting the insect. (Elementary through Sr. High)

MOSQUITO—PUBLIC ENEMY (C)

11 minutes—sound $2.00 2
Shows several varieties of the mosquito, describes it as a pest and public enemy, and pictures its life history and several methods of control. (Jr. High through Adult)

MOTHER DUCK'S SURPRISE (YA)

10 minutes—sound $2.00 2
An animal film telling the story of Mother Duck's disappearance from the backyard; how Father Duck searches for her, inquiring of all the other animals; and how Mother Duck finally is found on her nest, hatching a new family of ducklings. (Primary)

MOTHER HEN'S FAMILY (CORONET)

10 minutes—color—sound $4.00 4
With Jerry, we follow the story of birth from the beginning of embryonic development through the hatching of a hen's egg—and count the days necessary for the process. We observe the

Unit Value

growth of the living embryo, as we follow this life process, we learn some beginning concepts of reproduction and growth. (Primary, Intermediate)

MOTHER RABBIT'S FAMILY (EBF)

11 minutes $2.00 2

From the day her babies were born, Mother Rabbit finds Hoppy to be especially curious. As Hoppy grows we see him learn to be a good rabbit even when his curiosity leads him into mischief. He almost falls prey to a hawk and he gets caught by two children, but his good mother brings him safely home again. While telling this simple story, the film also draws attention to some of the characteristics of rabbits. (Primary)

MOTIVATING THE CLASS (McGRAW-HILL)

19 minutes—sound $4.00 4

A young student teacher of mathematics learns that adequate motivation is basic to all good teaching, and is obtained by translating the values of the subject matter into terms the pupils can understand. (College and Adult)

MOUNT RAINIER (EBF)

12 minutes—sound—color $4.00 4

A survey of the various life zones from the bottom to the top of Mount Rainier. The plants and animals of the snow and ice zone, the meadow zone, and the forest zone are shown. Since most forms of life are essentially absent from the top zone, the emphasis there is on the work of ice and its melting water. (Jr. High through Adult)

MOUNT VERNON IN VIRGINIA (Presented by Mt. Vernon Ladies Assn.)

22 minutes—sound $1.50 1.5

Presents Mt. Vernon as it might have been seen by Washington himself upon returning home on Christmas Eve, 1783, after completing his duties as commander-in-chief of the American Armies. All the well-loved objects of his home are seen thru his eyes.

MOUNTAIN BUILDING (EBF)

10 minutes—sound $2.00 2

By employing animated drawings and models "Mountain Building" re-enacts significant events in geological history. The subsidence of the land about the mouth of the Hudson River, the story of the Appalachian Mountains, and the spectacular Lewis Overthrust in the Rocky Mountains are vividly portrayed. The film opens with a photographic survey of evidence which constitutes the basis of the interpretations, and closes with a consideration of the significance of these phenomena to mining and structural engineering. (Sr. High and College)

MULTIPLE FACTOR INHERITANCE

30 minutes $5.00 5

Lecture by Dr. J. F. Crow. (College)

Unit Value

MULTIPLICATION IS EASY (CORONET)

10 minutes—sound $2.00 2
Here is demonstrated the procedure of multiplication. The film shows why this process is important to know and shows the main steps in learning how to multiply. Also, just as important, the film shows boys and girls that multiplication, as a means of solving real problems, can be fun, useful and rewarding. (Elementary)

MULTIPLICATION OF WHOLE NUMBERS (SRA)

29 minutes—sound—color $5.00 5
Shows multiplication in terms of equivalent disjoint sets and as repeated addition; commutative, associative, and distributive properties; and identity element.

MUSIC IN AMERICA (MOT)

17 minutes—sound $2.00 2
Features such outstanding musical personalities as Marian Anderson, George Gershwin, Benny Goodman, Violinist Mischa Elman, and Conductor Serge Koussevitsky. The film shows how jazz was derived from Negro folk music, how great composers like Gershwin were inspired by the popular idiom of their time. Designed to give a comprehensive picture of U.S. music and also to intensify interest in it. (Jr. High through Adult)

MUSICAL RIDE (CTF)

20 minutes—sound—color $1.50 1.5
The musical ride and its value in the training Royal Canadian Mounted Police officers at Rockcliffe Barracks, near Ottawa. This is a film that will appeal to any audience of adults or children. It has particular interest for equestrian groups. (Elementary thru Adult)

MUTAGEN-INDUCED GENE MUTATION

30 minutes—sound $5.00 5
Lecture by Dr. H. J. Muller. (College)

MUTATION (McGRAW-HILL)

28 minutes—sound—color $6.00 6
Defines and discusses chromosomal and genetic mutations as they apply to man and as demonstrated by experiments with drosophila, datura, mice, and bacteria. Highlights the hemophilic offspring of Queen Victoria as it exemplifies mutational inheritance in man. Charts the frequency of spontaneous mutation in bacteria, man, etc. Shows how mutant bacterial strains can be isolated in the laboratory. Tells of Dr. H. J. Muller's work in inducing mutations by X-rays and states that chemicals too can produce mutations. Follows that mutations are the raw material of the evolutionary process. Guest lecturer—Monica Riley, University of California.

MY ISLAND HOME (NFBC)

15 minutes—sound—color $1.50 1.5
Your host is a farmer who knows his Island with the intimacy of a native son. From him you discover the secrets of the soil—so surprisingly red against the green of fields—and the sea,

Unit Value

from which Prince Edward Island derives much of its character. There is no aspect of the Province that he is not proud to present—potatoes and lobster pots, the all-out sulky races of Charlottetown's Old Home Week, a quiet saunter down that historic capital's leaf-shaded streets, and, of course, Green Gables, immortalized in L. M. Montgomery's novels, now a favorite haunt of golfers.

NAPOLEONIC ERA (CORONET)

13½ minutes—sound—color $5.00 5
Scenes of the period 1796-1815 typify Napoleon's rise to power, his governmental forms in France, his conquests, and finally, the disintegration of the Grand Empire. (Jr.-Sr. High School)

NAPOLEON'S RETURN FROM ELBA (YA)

27 minutes—sound $5.00 5
March 7, 1815, the decisive moments when Napoleon flees from Elba and lands in France to lead his small army. Recreates a moment in the life of a man whose deeds affected the lives of millions of people. (Jr. High through Adult)

NATURE AND NURTURE (AIBS)

28 minutes—sound—color $5.00 5
Guest lecturer—Dr. Curt Stern, University of California. Relates the historical nature vs. nurture problem and traces examples of variation in man to indicate that it is not always possible to distinguish hereditary and environmental characteristics.

NATURE OF COLOR (CORONET)

10 minutes—sound—color $4.00 4
This film takes up and demonstrates Newton's explanation of the rainbow, the principles of color reaction and absorption, the mixing of colors by addition and by subtraction and the application of a unique demonstration shows the principles which make this color film itself possible. (Jr. and Sr. High)

THE NATURE OF LANGUAGE AND HOW IT IS LEARNED (TFC)

32 minutes—sound $5.00 5
The film explains the nature of language, how it is learned and establishes the validity of the "oral approach" to teaching. Examples of speech are drawn from the vast reservoir of languages of the world. These examples reveal how differently languages function in their sound systems, grammatical organizations and lexical developments.

NATURE OF LIGHT (CORONET)

10 minutes—sound $2.00 2
With two boys on a fishing trip, your students will have an opportunity to study light as a form of radiant energy; to observe closely the principles of reflection and refraction; and to learn how these principles are applied to the science of optics. This film both motivates an interest in the principles and behavior of light and gives specific information. (Jr. and Sr. High)

Unit Value

NATURE OF SOUND (CORONET)

10 minutes—sound $2.00 2
As the railroad train roars across your movie screen, as a white puff arises from a distant factory whistle and its sound arrives seconds later, the nature of sound is simplified and clarified for your students. Our radio amateur will show them the picture of sound on his oscilloscope and leave them with a new, bright understanding of the principles of sound's vibration, its characteristics and transmission. (Jr. and Sr. High)

NATURE'S CHEMISTRY (GUT)

10 minutes—sound $2.00 2
Divided into three parts: (1) a microscopic study of a drop of water showing glass models of microscopic animals; (2) shows how sunlight converts green leaves into food and the growth of plants; (3) presents some aspects of soilless agriculture, sand culture and the application of these methods to cattle feeding. (Jr. and Sr. High)

NAVAJO CHILDREN (EBF)

10 minutes—sound $2.00 2
Here are revealed, in superb photography, set in Arizona and New Mexico, the experiences of a Navajo boy and girl in moving with their family, household effects, pets, horses, sheep and goats from their winter quarters to their summer home. (Primary thru Jr. High)

NAVAJO INDIANS (EBF)

10 minutes—sound $2.00 2
Glimpses of Navajo Indian life which few white people know about. The girls tend the sheep and goats and ask the boys to dance. The boys race ponies. We see homework of weaving and gardening. Silversmithing, home-building, and cooking are also presented. A native wedding with Navajo conversation and songs. (Jr. and Sr. High)

NEAR HOME (IFB)

25 minutes—sound $5.00 5
To illustrate several principles that are basic to good teaching, a class and teacher study the community in which they live. In the study of the community by the pupils, and the part played by the teacher, can be observed in a learning process that takes advantage of an inherent interest in things near by and approaches the learning process as problem solving. (Jr. High through Adult)

THE NEAREST STAR (McGRAW-HILL)

27 minutes—sound—color $6.00 6
A report on the sun, portraying its unique and critical role in the drama of our own planet.

NEED FOR MODERN MATHEMATICS (SRA)

29 minutes—sound—color $5.00 5
This film shows the need for a change in techniques, approach and content in order to meet the mathematical growth of our society; explains the nature of the "new mathematics," demon-

Unit Value

strates some ways by which children learn Mathematics more efficiently.

NERVOUS SYSTEM (EBF)

10 minutes—sound $2.00 2
Structure of the nervous system, particularly in man; its pathways and connections. The nature of the nerve impulse; conditions for setting up impulses; their passage from cell to cell; their discharge and resultant activity. Reflexes. Sensory integration, and activity of the cerebrum. (Jr. High through College)

NEUTRONS AND THE HEART OF MATTER (McGRAW-HILL)

20 minutes—sound—color $2.00 2
Exploring the nature of matter and the significance of the neutron's behavior, with Dr. Donald J. Hughes of Brookhaven National Laboratories.

NEW BRUNSWICK WITHOUT FISHING? (NFBC)

10 minutes—sound—color $1.50 1.5
This film takes you on a tour of New Brunswick's many vacation areas and places of unique interest. It shows you "believe-it-or-not" Magnetic Hill, the reversing falls at Saint John, the odd flower-pot stone formations along a stretch of sea coast, the Deichmann family pottery at Sussex, and many other interesting sights and scenes that you would find nowhere but in this Maritime Province.

THE NEW DOCTRINE (McGRAW-HILL)

28 minutes $5.00 5
A timely report on the atom hydrogen bomb era, the development of the ultimate weapon by the United States and Russia, and their continuing search for an ultimate delivery system—the intercontinental ballistic missile.

NEW ENGLAND: BACKGROUND OF LITERATURE (CORONET)

10 minutes—sound $2.00 2
Now your classes can explore Thoreau's pond, sit snugly at Whittier's hearth and thrill to see the ensign flying from Old Ironsides. Here is the New England as we know it through the works of Bryant, Emerson, Longfellow, Whittier, Thoreau, Holmes and Alcott. The works of these authors will take on new meaning as students see the New England these authors wrote about. (Jr. and Sr. High)

NEW ENGLAND FISHERMEN (EBF)

11 minutes—sound $2.00 2
Domestic life and work of New England fishermen. Fishing on Grand Banks is main scene. Work and living conditions aboard a steam trawler which drags a fish net along the ocean floor. (Elementary through College)

NEW FRONTIER OF MEDICINE (McGRAW-HILL)

17 minutes $4.00 4
Recent discoveries such as sulfa drugs, penicillin, and streptomycin used during the war and the increased opportunities for medical students from all parts of the world to study in U. S.

Unit Value

Control of heart disease, cancer, rheumatic fever, RH blood factor are shown in this film.

NEW INDUSTRIAL SOUTH (McGRAW-HILL)

26 minutes $5.00 5
Describes the town of Camden, South Carolina, as an example of the trend toward a more industrial economy.

NEW LIVES FOR OLD (McGRAW-HILL)

20 minutes—sound—color $4.00 4
With Dr. Margaret Mead of the American Museum of Natural History. Research in cultural anthropology. The story of striking change experienced in a twenty-five-year period by the Manus people of the Admiralty Islands, and of the society's adaptation to a new way of life.

NEW NUMBERS (Ind. U.)

27 minutes—sound $5.00 5
Explains new and important number concepts in modern mathematics. Indicates the pattern of how new numbers arise. Presents some of the history, characteristics, and uses of negative, irrational, transfinite, and complex numbers, as well as quaternions. (College, Adult)

NEW SOUTH (MOT)

17 minutes—sound $2.00 2
The South found itself almost ruined and poverty-stricken at the close of the War Between the States. With new experiments in agriculture, mining, and even industry, these states are now working harder than ever to regain their rightful economic and social level. The Berry School typifies this effort. (Jr. High through Adult)

NEW TOOLS FOR LEARNING (EBF)

20 minutes—sound $3.00 3
The development and use of new tools has increased the production of food, industrial products, health, and transportation in America, and the question is posed, what new tools are being used to better education. Audio-Visual aids and other instructional materials are demonstrated in a variety of classroom uses and at all age levels, but it is indicated that these new tools are not used as widely nor as fully as the new tools which are improving other aspects of American life. (College-Adult)

NEWFOUNDLAND DOUBLEHEADER (NFBC)

14 minutes—sound—color $1.50 1.5
In this film, the limelight turns on the ancient sport of archery, as ace-sportsman Lee Wulff applies his skill to big game hunting in Newfoundland. The first quarry is a young caribou stag—but the archer's arrow misses, and the stag leaps for cover. For the next meal and several after, Wulff and his guide are confined to beans and pancakes and fish for variety. Patience and skill pay off on the fourth day of their hunting trip when another caribou is sighted. This time Wulff's arrow flies true, and caribou steaks are on the bill of fare.

Unit Value

NEWFOUNDLAND SEA BIRDS (NFBC)

14 minutes—sound—color $1.50 1.5
This film takes you to Green Island, 20 miles south of Newfoundland, for a first-hand look at this favorite homing place of sea birds. Color photography makes it real enough, but even more so, the great chorus of bird cries that fills your ears as the boat approaches. Gulls, kittiwakes, murres, puffins, terns and many other kinds of sea birds swarm the cliffs and the sky, filling the air with a shrill, raucous din.

NEW YORK USA—Living in a Metropolis (UWF)

20 minutes—sound $4.00 4
Huge cities, commonly referred to as metropolises, have grown up in the last century as trading, transportation, and manufacturing centers to serve the needs of people in an industrialized commercial nation. The giant city of New York has been selected as the subject of this film. The portrayal of the fact that in New York City millions of people of different cultural and racial backgrounds live together in peace, all eventually becoming Americans, makes this an exceptionally engrossing film story. (Elementary through Adult)

NEWSPAPER STORY (EBF)

15 minutes—sound $3.00 3
Presents a vivid behind-the-scenes view of a newspaper office. Follows a human interest news story from the time a reporter first learns of it until it appears in print on the front page. Impressively illustrates the duties of the workers who observe, write, edit, print and distribute the daily newspaper. Shows the huge presses and other mechanical devices which make possible the printing of thousands of newspaper copies in a matter of minutes. Suggests the tremendous importance of the newspaper as a medium of communication. (Elementary through Adult)

NEXT TIME WE SEE PARIS (FF)

10 minutes—sound $1.50 1.5
Musical one-reeler based on two French songs, "Si Tu Vas a Paris" (Next Time We See Paris) and "Surles Quais du Vieux Paris" (On the Quays of Old Paris). Sung by Mme. Claude Alphand. (Elementary through Adult)

NIGHT BEFORE CHRISTMAS (C)

10 minutes—sound $2.00 2
A delightful movie based on Clement C. Moore's famous poem. (Primary and Elementary)

NIGHTMARE IN RED (McGRAW-HILL)

54 minutes $8.00 8
This first authentic reconstruction of the historical drama of Communism inside Russia covers the old Czarist order, the revolutions of 1905 and 1917, the Provisional Government, the early days of the Communist era, the Purge Trials, World War II, up to the uncertain conditions of today.

NILE RIVER VALLEY AND THE PEOPLE OF THE LOWER RIVER (ACADEMY)

17 minutes—sound—color $5.00 5
Features the lower half of the Nile River from the semi-arid plains of central Sudan through the dry desert land of Egypt to the mouth of the Nile in the Mediterranean Sea. The annual flood of the Nile and its effects on the life of the people and agriculture is shown. Includes scenes of irrigation projects, the temples of Karnak, the pyramids of Gizeh, the cities of Khartoum, Luxor and Cairo. (Elementary through Adult)

THE 1930's (McGRAW-HILL)

28 minutes $5.00 5
With Lt. General James H. Doolittle and Walter Cronkite narrating, this film covers the major struggles of the 1930's and includes glimpses of many of the leading figures of that period.

NO SMOKING (SID DAVIS)

10 minutes—sound $2.00 2
To point out the harmful effects of smoking, especially to young people; how smoking causes one-third of all fires, and how smoking effects the health and length of life of smokers. (Jr. High through Adult)

NO TEACHER ALONE (NEA)

20 minutes—sound $1.50 1.5
Cleo Thomas, a competent instructor and a member of her local and state teachers associations, derides a long-time friend who is about to enroll a new teacher in the National Education Association of the United States. Cleo's original attitude of scorn gradually changes to one of thoughtful consideration as she sees what is being done and begins to sense her relationship to it all.

NOBODY'S CHILDREN (McGRAW-HILL)

17 minutes $3.00 3
The dangers inherent in lax child adoption procedures. Documents the more advanced methods of screening applicants for children and selecting the most suitable home for the child.

NOR LONG REMEMBER (JH)

14 minutes—sound $3.00 3
The scene of the picture is a small town general store several days after President Lincoln's delivery of the Gettysburg address. The storekeeper, the town school teacher, and other townspeople discuss the dedicatory ceremonies. The teacher defends the President's speech against the jibes of the others, and when the newspapers describing the event arrive, the various editorial comments are discussed. As the teacher points out some of the beauty of the speech, the scene changes to the ceremony at Gettysburg with President Lincoln himself delivering the classic address. (Elementary through Sr. High)

NORMALCY IN CHILDREN: THE SEARCH: YALE UNIV. (McGRAW-HILL)

27 minutes $5.00 5
Discusses new ideas and new techniques that help to determine normalcy in children.

Unit Value

NORTH CAROLINA: THE OLD NORTH STATE (NCCD)

24 minutes—sound—color $1.50 1.5

This film takes you from the beautiful foliage-capped mountains to the ocean that lines the sunny North Carolina coast. The industries that play such an important part for all Americans and the people that work the fertile land with the modern techniques of time are shown in their working capacity and producing master crops. You visit the vacation spots as you first see the beautiful scenery along the Blue Ridge Parkway. You view a scene from the Lost Colony and then find yourself at one of the clean inviting beaches where fishermen land prize fish. Through this film you see the beauty and versatility of North Carolina from border to border as a place for everyone.

NORTHEAST USA—Maine Harbor Town (UWF)

20 minutes—sound $4.00 4

In New England, the thin stony soil makes farming difficult. Fortunately, other resources can be developed to provide a livelihood. In this film, we see the Keller family, living near Camden, Maine, illustrate how the ingenuity of a people can supplement the income derived from farming rugged lands in a climate with a short cool growing season. We see them capitalizing on other natural resources. Employment is obtained in nearby industrial plants. The Kellers provide shelter for tourists who come to enjoy the recreational facilities of New England. Some of their neighbors earn part of their living from the harvest they reap from the sea. (Elementary through Adult)

NORTHEASTERN STATES, THE (EBF)

10 minutes—sound $2.00 2

Provides an interpretation of historical progress in the development of resources in the areas of West Virginia, Maryland, Delaware, District of Columbia, New Jersey, Pennsylvania, New York, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire and Maine. Features of the land, people, natural resources, textile, clothing and heavy industries are shown in their inter-related aspects. (Elementary through Adult)

NORTHWEST USA—The Lumber States (UWF)

20 minutes—sound $4.00 4

The Pacific Northwest has the finest forest of our country. The tall trees of this area are excellent for lumber, and we learn how the people work in this greatest of our lumbering sections. We see them engaged in safeguarding the forest to prevent this rich lumber supply from becoming exhausted. We learn how young people are taught to prevent forest fires and to keep young trees growing to replace those that are cut down. (Elementary thru Adult)

NORTHWESTERN STATES, THE (EBF)

10 minutes—sound $2.00 2

Depicts characteristics of the states of Montana, North Dakota, South Dakota, Wyoming, Idaho, Utah, Colorado, Nebraska, and Kansas. Topography, rainfall, drainage, fauna and flora, people, metropolitan centers, scenic and recreational features, transportation and commercial activities, natural resources and agricultural situations are shown. (Elementary through Adult)

Unit Value

NORWAY—Farmer-Fisherman (UWF)

20 minutes—sound $4.00 4

Here there is the sea and its wealth; there is the rugged, mountainous land with arable areas occupying less of its surface than lakes and other bodies of water. It is the physiographic aspects of Norway which are at once apparent when the picture begins with its focus sharpened upon a typical farmer-fisherman coming in from the sea. (Elementary thru Adult)

NORWEGIAN CHILDREN—Farming on a Fiord (EBF)

10 minutes—sound $2.00 2

Provides an interesting visit with a farm family on a fiord in western Norway. Portrays typical activities of the children and mother tending livestock on the mountains during the summer. Emphasizes dairying activities such as milking, cheese making, and transporting milk to dairy in valley. Follows family back to farm home in valley and describes trip of children across fiord to village and cooperative dairy. Concludes with neighborhood festival to celebrate homecoming of the women and children. (Primary and Elementary)

THE NOSE (CORONET)

11 minutes—sound $2.00 2

Making use of animation and microphotography, this film illustrates the physiology and the breathing and smelling functions of the nose. It explains the ingenious protective system of the breathing organs and shows the reasons for breakdowns in the nasal passages. Collaborator: John J. Ballenger, M.D., Northwestern University. (Jr. High, Sr. High, College, Adult)

NOT BY CHANCE (NEA)

28 minutes—sound $1.50 1.5

In a good program of undergraduate teacher education we see a prospective teacher acquiring the knowledge, the understanding of children, and the special skills that will make her a good beginning teacher. Through her program, the audience is introduced to many of the important current practices in teacher education in such areas as admissions, classroom instruction, campus life, guidance activities, observation, and directed student teaching.

NOTHING BUT AIR (EBF)

11 minutes $2.00 2

A normal boy in one ordinary day has many experiences with air. He learns that, though invisible, air is very real. Air occupies space, air is all about us, air has weight, air in motion has power and serves man in various ways. (Primary, Middle)

NOUNS AND VERBS VERSUS ADJECTIVES AND ADVERBS (IND)

30 minutes $5.00 5

Professor Peterson discusses the function of the four most useful parts of speech. He shows that weak adjectives and adverbs can often be omitted by careful selection of nouns and verbs. Through many illustrative sentences, he develops the concept that one forceful noun or verb is better than a combination of an adjective and a noun or of an adverb and a verb.

Unit Value

NOVA SCOTIA SAGA (CFB)

14 minutes—sound—color $1.50 1.5
This film takes you through a rich panorama of land and seascape, to ocean playgrounds with inviting beaches, to the yacht basin and seaport of Halifax where every type of water craft may be seen, to inland parks and streams where campers, picnickers and fishermen find full scope for holiday pleasure. (All age groups)

NUCLEO-CYTOPLASMIC RELATIONS IN PARAMECIUM

30 minutes—sound $5.00 5
Lecture by Dr. T. M. Sonneborn. (College)

NUMBER FIELDS (McGRAW-HILL)

17 minutes $4.00 4
Here, Dr. Meder takes up the specific problems of the student who solves an algebra problem without understanding *why* his answer works. Dr. Meder shows the weakness of manipulative solutions, and demonstrates how the teacher's understanding of the properties of a *number field* enables the teacher to make algebra more meaningful for students. With the use of animated diagrams, Dr. Meder discusses the system of integers, real numbers, rational numbers and complex numbers, from the point of view of number fields, and explains the requirements and properties of a number field.

NUMBER SYSTEM (EBF)

12 minutes—sound $2.00 2
Illustrates the principles of the number system by organizing large numbers of objects (in this case, Boy Scouts) into groups of ten. It also shows how written records of such groupings can be made by means of tallies or numerals and the idea of place value. The objective is to provide the child with an understanding of the number system. (Primary)

NURSE (EBF)

11 minutes—sound $2.00 2
Here we learn to appreciate more fully the warm personality and the skill of the nurse as we share some of the interesting experiences of Miss Austin—a hospital nurse. (Primary and Elementary)

NURSERY RHYMES (Ind. U.)

14 minutes—sound $3.00 3
Presents the book *Tommy Tittlemouse Nursery Rhymes* with pictures by Katherine Evans, published by the Children's Press. A guessing game is played with rhymes and pictures. (Primary)

OBESITY (Problems of Fat Formation and Overweight) (EBF)

12 minutes—sound $2.00 2
By dramatizing ways in which adults and children are handicapped by obesity, this film calls attention to the importance of maintaining proper weight. Animated drawings illustrate fat formation and fat utilization. The film reveals psychological as

Unit Value

well as physiological causes of obesity and explains why a condition of overweight adds strain to the heart and to the body frame. (High School and Adult)

OFFICE COURTESY (EBF)

12 minutes—sound $2.00 2
This film in human relations dramatizes techniques for office workers in meeting and working with persons outside the company, face to face and over the telephone. It emphasizes the importance of courtesy and thoughtfulness and reveals how the employee's attitude may, without his realizing it, have considerable effect on his company's success. (High School and Adult)

OFFICE ETIQUETTE (EBF)

16 minutes—sound $3.00 3
Emphasizes the importance of courtesy in everyday business contacts by portraying ways in which office etiquette contributes to success in office relationships. (Sr. High through Adult)

OFFICE TEAMWORK (EBF)

12 minutes—sound $2.00 2
A contribution in the field of human relations in business and industry. The film illustrates the importance of cooperation among the members of a business organization. It dramatizes representative office situations in which teamwork is extremely important, and reveals the effects of various employee attitudes on company morale and business. (High School and Adult)

OFFICIAL BASKETBALL (HSAA)

27 minutes—sound—color ..... $2.00 per day
Centered around the question, "Why does the official blow his whistle?", this theme provides a better understanding of the rules and the important part they play in keeping the three S's in the game of basketball . . . speed, science and skill. (High School)

OFFICIAL FOOTBALL (OSFS)

30 minutes—sound ..... $2.00 per day
Play situations illustrating football rules. The kick-off followed by: violations of the snap, delay of the game, rights of the kicker and receiver on punt formation, methods of substitution, types of fumbles, passes and handed ball, protection for passer and kicker. Scenes are frozen, suspending action permitting audience to follow official's decision.

OLIVER WENDELL HOLMES (EBF)

20 minutes—sound $4.00 4
Reveals, with dramatized episodes from Holmes' life, the reasons for his position of eminence in our national cultural history. Portrays him as he drops the study of law for medicine, and outlines his later accomplishments in that field. Points out Holmes' contributions as a man of letters and as a lecturer, highlighting events incidental to the writing of "Old Ironsides," *Autocrat of the Breakfast Table*, and other works. Emphasizes the man's genial personality, his broad perspective, his intolerance of dogmatism; and reveals him as an exponent of the scientific method. (Jr. and Sr. High)

Unit Value

ON OUR OWN (NatfdInfantPar)

14 minutes—sound $1.50 1.5
Shows the physical phase of rehabilitation from patient's standpoint. (Adult)

ON THE DIFFERENCE BETWEEN WORDS AND THINGS (Ind. U.)

27 minutes—sound $5.00 5
Discusses the consequences of forgetting that words only point to things. Illustrates how attention to words alone may lead to unrealistic behavior. Emphasizes that words make it easy to distort descriptions of reality. Demonstrates that it is easier to exaggerate in our speaking than to be precise. Shows that the tendency of exaggeration ignores the present state of a person or thing. Recommends the use of the dimension of time in our speech as well as greater attention to the real. (College and Adult)

ON TWO WHEELS (JH)

10 minutes—sound $2.00 2
The juvenile traffic court which hears cases and sentences violators of the safe bicycle riding code is here shown in operation. By learning to ride their bicycles safely, cyclists are shown mastering the rules of highway safety, rules that can be applied with equal effectiveness in driving an automobile. Each picture clearly presents the rules for traffic safety. (Elementary and Jr. High)

ONE CAMERA TV CHAIN (U.S. NAVY)

17 minutes—sound $3.00 3
This film tells how the United States Navy used one camera to augment instruction. The language is non-technical and offers many suggestions for a one camera closed circuit chain. (High School, Adult)

ONTARIO'S SUN PARLOR (CFB)

22 minutes—sound—color $1.50 1.5
In this film there is something for everybody—The Niagara Peninsula is famous for the Falls, the famous race track at Fort Erie, the old homestead of Alexander Graham Bell, the tomb of the famous Indian runner Tom Longboat and more recent points of interest such as the Shakespearean Theater at Stratford. (Elementary thru Adult)

OPERATION HURRICANE (U. S. WEATHER)

14 minutes—sound $2.00 2
Shows how Weather Bureau warning centers reduce the hurricane menace along the Gulf and Atlantic coasts, the operation of the Bureau's warning service, precautions taken against damage, and rescue and relief measures. Animation explains the nature of hurricanes.

OPERATION STRANGLE (McGRAW-HILL)

28 minutes $5.00 5
A description of the battle that freed Italy in World War II, the impasse at the Abbey of Monte Cassino and how it was solved by a new use of air power.

Unit Value

ORANGE GROWER (EBF)

10 minutes—sound $2.00 2
Describes the location of citrus growing activities, and tells the story of a typical orange grower and his family in their efforts to raise and harvest their crop. Budding, pruning, planting, fertilizing, irrigating, controlling insects and temperature are all shown. (Elementary through Adult)

OREGON TRAIL, THE (EBF)

25 minutes—sound $4.00 4
Filmed in the reconstructed frontier town of New Salem, Illinois, and along the Oregon Trail, this film recreates the tremendous saga of the Westward crossing of the American continent through the eyes of a pioneer family. (Elementary, Jr. High, Sr. High)

THE ORGANIZATION OF LANGUAGE (TFC)

32 minutes—sound $5.00 5
The film demonstrates that pre-school children, before they have learned to read and write, can use the forms and arrangements of words that convey meaning. A class in German for English speakers shows how grammatical patterns and their variations are taught by modern methods.

ORIGIN OF SPECIES

30 minutes—sound $5.00 5
Lecture by Dr. G. L. Stebbins. (College)

OSMOSIS (EBF)

14 minutes $3.00 3
By means of photomicrography, time-lapse photography, and animation, this film illustrates the inner mechanism of plants and explains how water is transported throughout the plant. Laboratory experiments illustrate osmosis action, and the other film techniques support the laboratory experience by explaining the laws of nature that make osmosis work. (Jr. High, Sr. High)

OTHER FELLOW'S FEELINGS (YA)

11 minutes—sound $2.00 2
A discussion type film for the middle grades and junior high school, dealing with the unfortunate effects of prolonged teasing or ridicule. An "open ending" sets the stage for the post-showing discussion by the class of the situation dramatized by the film. (Elementary through Jr. High)

OTHER PEOPLE'S PROPERTY (YA)

10 minutes—sound $2.00 2
A discussional film on the problem of damage to school property. Three boys start out on a prank, but it "snowballs" far beyond their original intentions. (Elementary and Jr. High)

OTTAWA, CANADA'S CAPITAL (NFBC)

14 minutes $1.50 1.5
Ottawa today provides many colorful impressions of the beautiful and busy headquarters of a vital growing nation. More

Unit Value

than a capital it is also an international city, for Canada's growing importance in the world has brought to her avenues, embassies and legations from all parts of the world. (Jr. High through Adult)

OUR BASIC CIVIL RIGHTS (CORONET)

14 minutes—sound $3.00 3
Civil rights are preserved by our citizens and defined by our courts. This film presents basic concepts of civil rights and directs the class toward a detailed study of our liberties which are fundamental to our society and defined in law. (Jr. and Sr. High)

OUR BILL OF RIGHTS (ACADEMIC)

20 minutes—sound $4.00 4
Re-creates the forming and adopting the first 10 amendments, or the Bill of Rights, to the Constitution. Shows the influence of James Madison at this time. Madison, George Washington, Benjamin Franklin, John Randolph, Alexander Hamilton, and John Jay made this historic time very real. (Jr. High through College)

OUR COMMON FUELS (CORONET)

11 minutes—sound $2.00 2
This general science film is designed to show what fuel is and to indicate the sources and uses of our common fuels under two groupings: natural and manufactured fuels. The story centers around Jim and Bob who learn the desired lessons while arranging and securing materials for a display table in the classroom. (Elementary and Jr. High)

OUR COMMUNITY (EBF)

11 minutes—sound $2.00 2
Illustrates important community institutions and their services by portraying a day in the life of a 10-year-old boy. Depicts such services as police and fire protection, health safeguards, and parks and recreational facilities. Points out ways in which the members of a community serve each other, and emphasizes that membership in a community is a responsibility as well as a privilege. (Elementary)

OUR CONSTITUTION (ACADEMIC)

18 minutes—sound $3.00 3
Dramatic events immediately leading to the Constitutional Convention in Philadelphia in 1787. George Washington, Benjamin Franklin, James Madison, Alexander Hamilton, and others reenact their dramatic roles in this film. (Elementary through Adult)

OUR COUNTRY'S EMBLEM (CORONET)

11 minutes—sound—color $4.00 4
As pupils construct a model of the Great Seal of the United States, they learn why our country has such an emblem and discover a story behind each symbol in the design. (Intermediate, Jr. High)

Unit Value

OUR COUNTRY'S FLAG (CORONET)

10 minutes—sound—color $4.00 4
The reasons for the respect to the flag and the reasons for the flag itself are not always clearly understood. This film provides much of this important information. It explains the meaning of the flag, its symbolism and why it should be respected. *The Pledge of Allegiance* is told about in terms of everyday activities, and rules of respect to the flag are reviewed and clearly defined. (Elementary)

OUR COUNTRY'S SONG (CORONET)

11 minutes—sound—color $4.00 4
This is the story of how one class learned the meaning of the words and the circumstances under which Francis Scott Key wrote "The Star Spangled Banner," resulting in a deeper appreciation of our national anthem. (Intermediate, Jr. High)

OUR DECLARATION OF INDEPENDENCE (ACADEMIC)

18 minutes—sound $3.00 3
An authentic dramatization, not only of the signing of the great document, but of the years' struggle and strife before the signing. The Stamp Act, the Quartering Act, the Boston Tea Party, the Committees of Correspondence and the many other flaming events leading to the declaration of July 4th are vividly portrayed. (Elementary through Adult)

OUR EARTH (EBF)

10 minutes—sound $2.00 2
A survey of physical aspects of our earth in their relations to concentrations and activities of people. Beginning with oceans and ocean currents, their effects on climate, and consequently on peoples, the film continues to delineate similar effects of various types of coast lines and harbors, rivers and lakes, valleys, plateaus, and mountains. (Jr. and Sr. High)

OUR FOSTER MOTHER, THE COW (FRITH)

10 minutes—sound—color $4.00 4
This film portrays the happenings on a dairy farm. Emphasizes the importance of milk, and the service of cows to mankind. (Primary and Elementary)

OUR INHERITANCE FROM HISTORIC GREECE (CORONET)

10 minutes—sound $2.00 2
How our American life reflects the culture of Greece in language, thought, architecture, drama and even mathematics, is vividly portrayed in this motion picture. Classes will develop a sense of appreciation for our heritage from Greece by re-living the events of those times which are shown in relationship to their own everyday life. (Jr. and Sr. High)

OUR INHERITANCE FROM HISTORIC GREECE (CORONET)

11 minutes—sound—color $4.00 4
Scenes of everyday life in historic Greece are related to the contributions made by this great civilization—in language, architecture, science, ethics, and politics. (Jr.-Sr. High)

Unit Value

OUR INHERITANCE FROM THE PAST (CORONET)

11 minutes—sound—color $4.00 4
This film stimulates better understanding of historic advances and of the fact that the modern world is actually a product of past accomplishments. (Jr.-Sr. High School)

OUR LIVING CONSTITUTION (CORONET)

10 minutes—sound $2.00 2
This film brings the study of our Constitution to life, showing how the basis of our government changes and grows to meet the needs of the times, while holding to the principles of thought we hold dear. The picture shows how the Constitution operates in problems which are close to us by guaranteeing our rights and freedoms and protecting the interests of the people. (Jr. and Sr. High)

OUR LIVING DECLARATION OF INDEPENDENCE (CORONET)

16 minutes—sound $3.00 3
Freedom, rights, obligations, the pursuit of happiness—meanings of these terms are explored as this timely film develops its theme that the Declaration is not a dead historical document, but a vital force and guide to living today. Illustrations from the lives of an immigrant and his children give present-day meaning to the principles of the Declaration. (Jr. and Sr. High)

OUR LOUISIANA PURCHASE (ACADEMIC)

18 minutes—sound $3.00 3
Shows how the Louisiana Territory was purchased from France. Historical figures involved in this transaction include Napoleon, Talleyrand, Ambassador Livingstone, James Madison, and Thomas Jefferson. (Jr. and Sr. High)

OUR MAN IN MUSKOKA (NFBC)

20 minutes—sound—color $1.50 1.5
"Our man in Muskoka" is assigned the job of cracking the mystery of Muskoka's magic spell—why this lake region of Ontario draws people like a magnet from all over the continent.

OUR MONROE DOCTRINE (ACADEMIC)

18 minutes—sound $3.00 3
Such characters as John Quincy Adams, Henry Clay, John Calhoun, and of course James Monroe, play their dramatic and historic roles. Considers why it was necessary to issue the Doctrine; what forces were instrumental in shaping the policy proclaimed; the part of independence of the South American republics in influencing the policy of the United States; the Holy Alliance of Europe and their aims for world domination. (Jr. and Sr. High)

OUR NATIONAL GOVERNMENT (KB)

11 minutes—sound $2.00 2
A graphic analysis of our form of National Government showing and explaining the separate functions of each branch. Actual scenes in Washington, our National Capitol, giving a clear mental picture of the magnitude of the business of government. (Elementary through Adult)

Unit Value

OUR POST OFFICE (EBF)

11 minutes $2.00 2
When Jimmy and Susan mail a letter ordering a present for their mother, we go behind the scenes at the post office to see how their letters and the rest of the mail is sent out. We see how letters are canceled and sorted; how airmail and special delivery letters are handled. The film highlights everyday activities in a city post office, at an airport where mail is loaded on a helicopter, and in a railway post office. (Primary, Middle)

OUR SOIL RESOURCES (Formation and Conservation) (EBF)

10 minutes—sound $2.00 2
Explains graphically, how soil is formed by the physical and chemical disintegration of rock and by the decomposition of plant and animal matter. Points out the world's four soil groups and defines the geographic limits of each in the United States. Describes how man, through poor farming methods, has depleted the soil; and explains techniques for replacing fertility losses and curbing erosion. (Jr. and Sr. High)

OUR TOWN AND OUR UNIVERSE (EBF)

30 minutes—sound—color $6.00 6
The play, the staging, the functions and the presentation of the play "Our Town" are discussed as well as the central theme.

OUR TOWN AND OURSELVES (EBF)

30 minutes—sound—color $6.00 6
The general significance as well as the specific uses of music in various themes of the play are dissected and discussed.

OUR WEATHER (EBF)

11 minutes $2.00 2
Shows how weather affects our lives, what causes the weather, how weather conditions are measured and forecast. (Middle, Jr. High)

OUTDOORS COUNTRY (CTF)

20 minutes—sound—color $1.50 1.5
An inviting Canadian Travel Film to the Kenora-Lake of the Woods area and other parts of Northwestern Ontario. Views of fishing in clear northern lakes for trout, muskellunge, walleye. Bush pilots take the visitor from a rustic lodge or a luxury hotel to remote lakes. (All ages)

OUT OF THE DARK (EBF)

15 minutes—sound $3.00 3
Here is the history of illumination by artificial means, from stone lamp, candles, oil and gas lamps, to arc lighting and incandescent lights. The film shows the steady progress of man's struggle against darkness, ending with a brief exploration of the newest developments of the electrical discharge tube.

OUT OF THE HEART (FILMEDIA)

10 minutes—sound—color $1.50 1.5
The heart-warming story of a boy and his dog. Kindness, loyal-

Unit Value

ty, patience, teamwork and other desirable character traits are often strengthened in humans by association with animals, and this is the observation that you will make from this film. Rags, canine hero of the film, turns the tables on Billy, the human half of the featured cast, by teaching his master many important secrets of life—while Billy all the while thinks he is teaching Rags. (All age groups)

OUTBOARD FISHERMAN (U.S. WILDLIFE)

27 minutes—sound—color $1.50 1.5
Shows the various uses of outboard motor boats by fishermen along the east and west coasts of the United States and in the Gulf of Mexico. (Sr. High through Adult)

OUTSIDER (YA)

10 minutes—sound $2.00 2
A discussional film dramatizing the problem of a young girl who feels that she is rejected by her school group. Points the way for a discussion of the mutual responsibilities of the individual and the group in such situations. (Elementary and Jr. High)

OVERCOMING FEAR (CORONET)

14 minutes—sound $3.00 3
Here is an unusual film that shows the value of courage in meeting problems in everyday living. Courage is presented as an attitude which can be developed . . . cowardice is shown to be a characteristic that is specific: i.e., a response in reference to one specific type of situation. How overcoming a specific fear can make a better all-around person is the lesson found here. (Jr. and Sr. High)

OVERCOMING WORRY (CORONET)

10 minutes—sound $2.00 2
Nearly everyone is burdened with worry at some time. This film demonstrates that worry *can* be overcome. It shows first the contagious quality of worry—how it spreads among the members of a closely knit family group. Then the film shows how a person can not only work to overcome worry but also help someone overcome his problems. (Jr. and Sr. High)

OVERHEAD PROJECTOR (IowaStU)

16 minutes—sound $3.00 3
Shows the fundamental purposes and use of the 10 by 10 inch overhead projector and the methods of producing transparencies for this equipment. (College through Adult)

THE OWL AND FRED JONES (BHE)

14 minutes—sound—color $1.50 1.5
This film deals helpfully with something that concerns every human being—habit. It shows that habits are what you make them—good or bad. It explains how we can develop habits and make them serve us.

OXIDATION AND REDUCTION (EBF)

10 minutes—sound $2.00 2
The simultaneous process of oxidation and reduction is presented

Unit Value

first by burning phosphorus and rusting iron under experimental conditions. Mercury rust is then decomposed to discover the component of air responsible for oxidation. Other examples of oxidation agents such as: the blast furnace, magnesium burning in dry ice, and thermite welding, are shown. (Jr. High through College)

OXYGEN (CORONET)

10 minutes—sound $2.00 2

Laboratory demonstrations develop the characteristics, uses and significance to man of oxygen and its compounds. Technical nomenclature is reduced to a minimum; but the explanations of electrolysis, oxidation, forms of oxygen, etc., start students on the development of a scientific vocabulary. Some experiments, like the electrolytic decomposition of water, are treated fully and in detail. Then a survey of the preparation, properties and characteristics of this important element is presented. (Jr. and Sr. High)

PACIFIC—DISCOVERY AND EXPLORATION (EBF)

10 minutes—sound—color $4.00 4

Portrays and explains by means of technicolor animation the role played by the Pacific Ocean in international affairs. Shows growth of man's knowledge of the Pacific through the voyages of the early explorers and later expansion of settlement in this area. Traces the settlement of Pacific islands and coastal areas by British, Russians, Germans, French, Dutch, and Americans. (Elementary thru Adult)

PACIFIC CANADA (EBF)

10 minutes—sound $2.00 2

Canada's great Pacific Province is British Columbia, including Vancouver Island and many smaller islands. The Yukon Territory adjoins it on the North, extending to the Arctic Ocean. The Coast Range and the Rocky Mountains that extend northwestward to Alaska makes this region even more mountainous and rugged than western U. S. to the south. (Jr. High and Adult)

PACIFIC PATTERN (McGRAW-HILL)

28 minutes $5.00 5

This film tells the story of how American carrier-based air power supported the invasion of Tarawa in the Gilbert Islands and how it was used to neutralize the island of Truk making further American invasions easier.

PACKAGED POWER (MOD)

31 minutes—sound—color $1.50 1.5

The search in Canada, Jamaica, and British Guiana for aluminum ore and the power necessary for refining it. Depicts the electric power project for which the Nechako Dam is being constructed in British Columbia. (Sr. High through Adult)

PAINTING A PROVINCE (CTF)

22 minutes—sound—color $1.50 1.5

Shows the work of contemporary artists of New Brunswick, Canada. From their work and that of artists of the past, the

Unit Value

viewer sees how closely they are linked to their own soil and history. (All ages)

PAINTING: LEARNING TO USE YOUR BRUSH (YA)

11 minutes—sound $2.00 2
Begins by pointing out that painting can be fun as a personal hobby, then explains the simple materials required to start, and demonstrates the basic brush strokes used in painting. (Elementary through Sr. High)

PAINTING: LEARNING TO MIX COLORS (YA)

8 minutes—sound—color $3.00 3
Demonstrates and explains the three primary colors as the source of the secondary colors and all their intermediate shades. (Elementary through Sr. High)

PAINTING: SOLID FORMS (YA)

11 minutes—sound $2.00 2
This film explains that solid objects have three dimensions, then demonstrates how the painter achieves the illusion of the third dimension (thickness or depth) in the object he is painting. (Elementary through Sr. High)

PAINTING WITH SAND: A NAVAJO CEREMONY (EBF)

10 minutes—sound—color $4.00 4
Uses an impressive story treatment to portray vividly the traditional sand painting healing rite as performed by a Navajo medicine man for his ailing son. Reveals the beauty of a unique art form, and stresses its significance in the tribal life of the Navajos. Presents actual sand painting in full detail against the grandeur and color of the Southwestern landscape. (Elementary and Jr. High)

PALESTINE (MOT)

16 minutes—sound $2.00 2
Reveals not only the progress that has thus far been made toward modernization of the Holy Land, but also the problems to be solved and the obstacles to be surmounted before the Jewish people can achieve their objective of a modern Jewish state. (Jr. High through Adult)

PALOMINO: THE GOLDEN HORSE (EBF)

11 minutes $2.00 2
Exciting instruction in basic fundamentals of horsemanship. General care of horses, basic instruction in correct mounting, gaiting, holding the reins, and similar practices. (Primary, Middle)

THE PANAMA CANAL (CORONET)

11 minutes—sound $2.00 2
Tracing the history of the Panama Canal—completed by the United States—we also see views of the Canal today and learn of its significance to world transportation. (Intermediate, Jr. High, Sr. High)

Unit Value

PANAMA: CROSSROADS OF THE WESTERN WORLD (CORONET)

10 minutes—sound $2.00 2
Panama is a curious blend of old Spain and American progress. As the link between the Atlantic and Pacific, Panama is a country where passage, transfer and mixture permeate the cultural and economic life. The camera spots this influence in Panamanian architecture, social customs, agricultural practice and industry. (Jr. and Sr. High)

PANORAMA OF A PROVINCE (CTF)

14 minutes—sound—color $1.50 1.5
Colorful impressions of Saskatchewan—prairie province where sun-drenched fertile plains give way to friendly cities, green forests and fish-teeming lakes. (All ages)

PAPER (EBF)

10 minutes—sound $2.00 2
Tells the interesting story of modern paper making, from the forest to finished sheets. Selected scenes show paper being made into items familiar to children. Trees cut and sawed in the forest and logs are hauled to the mill where they are barked and cut into chips. The chips are then made into pulp. The machine that makes paper from pulp is carefully explained. The entire picture is a pictorial exposition of modern technology at a child's level of interest and understanding. (Primary and Elementary)

PARLIAMENTARY PROCEDURES IN ACTION (CORONET)

14 minutes—sound $2.00 2
Dropping in on a session of a well-run high school club, we observe the proper procedures for seconding motions, amending motions, calling for a division of the house, rising to a point of order, tabling a motion and the other commonly used parliamentary forms. We see parliamentary procedure based on the democratic principle upholding that principle in an orderly assembly. (Jr. and Sr. High)

PARTIES ARE FUN (CORONET)

10 minutes—sound $2.00 2
Here is a party for the youngsters, with all the games and general activities that make parties fun. The film presents information about planning for and behaving at a party on a level with primary-intermediate word lists. The audience can help plan the party right along with the young hostess in the film, and then share in the pleasure of the games and presents. (Primary)

PARTS OF SPEECH, THE (CORONET)

13½ minutes—sound—color $5.00 5
Collaborator: Dwight L. Burton, Ph.D., Professor of English Education, Florida State University. A fun-filled afternoon at the beach with Sue, Fred, and their friends provides an opportunity to use the parts of speech in building the pictures we see. The film introduces the eight parts of speech and explains that they may name things, modify other words, connect words, or tell about actions.

Unit Value

PASSENGER TRAIN (EBF)

11 minutes—sound $2.00 2

Interprets a journey on a modern, streamline, Diesel-electric powered passenger train from a large city through a picturesque countryside. The duties of the ticket seller, gateman, baggageman, conductor, engineer, motor attendant, mail clerk, dining car cook, waiter, and Pullman porter are depicted and commented upon. Right-of-way problems including tunnels and bridges are portrayed. Comfort, safety and efficiency are given attention. (Primary and Elementary)

PATTERNS OF ENERGY TRANSFER (McGRAW-HILL)

28 minutes—sound—color $6.00 6

This film considers all aspects of energy transfer from sunlight to utilization in cell metabolism. Both heterotrophic and autotrophic processes are covered. Photosynthesis is used to illustrate autotrophic nutrition. The importance of energy transfer in biological phenomena is discussed. (High School, College)

PATTERNS OF REPRODUCTION (McGRAW-HILL)

28 minutes—sound—color $6.00 6

Lists the criteria of living things and indicates that reproduction is the only one related to the survival of the species. Cites many patterns of reproduction among plants and animals and explores through cinephotomicrography the relationship of mortality to reproduction rate. Shows through diagrams, photomicrographs, and live action several examples of asexual, sexual, and combination asexual-sexual reproduction. Concludes that attention is being focused upon the mechanisms of the developmental processes, an area of basic biological research. Principal lecturer for Part V, Dr. Donald H. Bucklin, University of Wisconsin. (High School-College)

PATTERNS IN MATHEMATICS (McGRAW-HILL)

14 minutes $4.00 4

Dr. Meder explains the statement of the Commission on Mathematics "Algebra must be treated as a study of mathematical structure rather than only as the development of manipulative skills." An emphasis on this structure, or *pattern*, is the basic of all curriculum revision recommended by the Commission, and Dr. Meder explains clearly and with varied examples *why* mathematics should be considered a study of pattern, rather than a collection of isolated facts and tricks. With problems taken from arithmetic, algebra, geometry and trigonometry, he shows how concepts of pattern can make mathematics teaching clearer and more meaningful.

PAUL BUNYAN AND THE BLUE OX (CORONET)

6 minutes—sound—color $2.00 2

This delightful and imaginative film retells the story of Paul Bunyan and Babe, the Blue Ox, using puppets as the central characters. The story of how Paul found Babe and put him to work is one which children will enjoy seeing and talking about for a long while. (Pre-School, Kindergarten, Primary, Intermediate)

Unit Value

PAY DIRT ANGLING (CTF)

28 minutes—sound—color $1.50 1.5
PAY-DIRT ANGLING gives you just a sampling, but an exciting one, of the sort of fishing that waits for you "up north." The film follows a party of fishermen—a party of completely enthusiastic fishermen—who fly by jet to Edmonton and north again to some of the best fishing waters on the continent. Great Slave Lake, Great Bear Lake, Cambridge Bay—all just plane hops apart—and where, on earth, could an open-air fish-fry taste better than 200 miles from the Arctic Circle? (All ages)

PEACE BUILDERS, THE (BRANDON)

10 minutes—sound $2.00 2
The first basic motion picture of the memorable meetings and actions of the Allied leaders, from the Atlantic Charter meeting to the United Nations Conference at San Francisco. It summarizes the proceedings and proposals worked out by Allied leaders at Ottawa, Cairo, Teheran, Moscow, Hot Springs, Bretton Woods, Dumbarton Oaks, and Yalta. It reflects the confidence and power of the Democratic peoples of the world to solve their problems through cooperation. (Jr. High through Adult)

PEACE COMES TO AMERICA (UST)

10 minutes—sound $2.00 2
Commencing with scenes of Washington at the announcement of peace, this film surveys the many items of government expense involved in bringing home our World War II soldiers, in providing them with mustering-out pay and with employment service, in underwriting the provisions of the GI Bill of Rights, and, most of all, in caring for those hospitalized as a result of military service. (Elementary through Adult)

PEARL HARBOR (McGRAW-HILL)

28 minutes $5.00 5
Official films of the Japanese Navy, captured after World War II, present in starkly realistic terms every significant detail of the fiery attack on the American naval bastion at Pearl Harbor.

PEDESTRIANS (FORD)

10 minutes—sound $1.50 1.5
The driver's obligation to understand how to cope with many situations involving pedestrians. (Sr. High through Adult)

PENMANSHIP IMPROVER (TAE)

10 minutes—sound $2.00 2
By the use of this film students learn to make skillfully three simple strokes which constitute more than 90% of all the longhand letters. Teachers who have used the system on experimental groups report complete legibility and substantial appearance improvement in less than ten hours of practice. (Elementary through Sr. High)

PEOPLE ALONG THE MISSISSIPPI (EBF)

21 minutes—sound $3.00 3
The region through which the Mississippi River flows and the people who live in this region provide a unique opportunity for

Unit Value

studying an important cross section by following a toy sailboat on a fascinating journey from the head waters to the mouth of the great river. It is a beautiful story emphasizing the peoples of different backgrounds and origins who live along the banks of the river—especially the people of French, Canadian, Swedish, German, Negro, and Acadian extraction. Reveals their oneness in purpose, ideals and in national character. (Elementary through Adult)

PEOPLE AND PETROLEUM (CPC)

27 minutes—sound $1.50 1.5
Illustrates the rapid growth of modern Venezuela and the part played by the oil industry. It is a country that has used its great petroleum resources to help bring its people a more abundant life. (Jr., Sr. High, College, Adult)

PEOPLE DANCE (BRANDON)

10 minutes—sound $2.00 2
Shows how different kinds of dancing are related to the varied social and economic backgrounds of the Canadian people. The slow tempo of the Indian religious dance, the pioneers' quadrille, the old world folk dances, the art form of the ballet, square dances and modern jive are presented. The film finds significance in the dance as an emotional outlet common to all but differing in form according to the origin or occupation of each group. (Jr. High through Adult)

PEOPLE OF HAWAII (EBF)

11 minutes—sound $2.00 2
Describes the setting of the Hawaiian Islands and provides an insight into the native economy. The dependence of the natives upon the sea and their immediate land environment for food; home and school life; sports and craftsmanship; and the preparation of a native feast make up the major sequences. Glimpses of mass production and harvesting of sugar cane and pineapple are also shown. (Elementary through Adult)

PEOPLE OF MEXICO (EBF)

11 minutes—sound $2.00 2
Presents a living account of the origin and development of the Mexican people, with emphasis on their dependence upon the land. It portrays the setting of a feast day in a small village, including ceremonies, dances, songs, and music. (Elementary through Adult)

PEOPLE OF THE CONGO (EBF)

11 minutes—sound $2.00 2
A study of the Mangbetu peoples living in tropical forest region of Africa. Emphasis on cleanliness in well built, immaculate homes. Careful preparation of cooked meal, of fish, bananas, manioc root, sugar cane; using clay cooking utensils made by hand. Head binding, native arts and crafts, sketching, design, wood carving, and construction of native musical instruments. (Elementary through College)

PEOPLE OF WESTERN CHINA (EBF)

11 minutes—sound $2.00 2
Shows the influence of habits and customs of past centuries on present-day China. Methods of agriculture, irrigation, and the culture and use of bamboo are shown. Representative arts and crafts, methods of transportation, and engineering skill are depicted in their traditional settings. (Elementary through Adult)

PERCENT IN EVERYDAY LIFE (CORONET)

10 minutes—sound $2.00 2
Through this informative film, students will learn how useful a working knowledge of percent can be to them. As they follow Bob's problems in figuring commissions, taxes, interest and discount with general, rate and base formulas, they will derive a new realization of the importance of *Percent in Everyday Life.* (Jr. and Sr. High)

PERCUSSION GROUP, THE (EBF)

11 minutes—sound $2.00 2
Variety is the keynote of this picture showing as it does, not merely the traditional snare, base and kettle drums, but also the tambourine, cymbals, triangle, bells, and zylophone. Opening measures of music are played on the celesta—an instrument which pupils rarely have opportunity to examine. The camera brings each instrument close enough for detailed examination. (Elementary through College)

PERCUSSION, THE PULSE OF MUSIC

21 minutes—sound $4.00 4
Describes and demonstrates the sounds, manner of playing and uses of representative percussion instruments. A young audience, led by members of the New York Percussion Trio, illustrate that organized clapping can be music. Members of the trio show and demonstrate wooden, skin-covered, and metal percussion instruments. The audience joins the trio in a mambo demonstrating how music can be made with some percussion instruments without long practice. Music includes Nagel, Prelude and Dance; Kabelevsky, Dance of the Comedians; Portal, Sweet and Gentle, and an excerpt from Saint-Saens, Samson and Delilah.

PERIODIC MOTION (PSSC)

33 minutes—sound $5.00 5
From a number of periodic motions simple harmonic motion is selected for detailed examination; a pen moving in SHM plots its own displacement—time graph; graphs of velocity and acceleration versus time are derived from it. The formula for the period of SHM is derived from one component of circular motion; the dynamics and period of SHM checked experimentally by oscillation of dry ice puck mounted between springs.

PERSONALITY AND EMOTIONS (EBF)

13 minutes $3.00 3
Designed for high school and college audiences studying personality development and mental health. Gives an overview of the development of emotions from infancy through early childhood, and implies that emotional maturity is a desirable goal in the development of personality. (Jr. High, Sr. High, College, Adult)

Unit Value

PERU—Highlands of the Andes (UWF)

20 minutes—sound $4.00 4

This film lesson is based on the geographic principle that the highest settlements in mountain regions are usually associated with mining, but where groups of people living at high altitudes depend only on agriculture, they lead a barren and difficult life. We see the difference in the kind of life led by the Peruvian Indian doing his best to eke out a bare subsistence from meager crops and few domestic animals, and the Indians who work in the operations of the mines. This film takes us right into the copper mines at Cerro de Pasco, virtually at the top of the world. (Elementary through Adult)

PETRIFIED RIVER, STORY OF URANIUM, THE (BM)

28 minutes—sound—color $1.50 1.5

From its early geology in the West to its latest peacetime uses for producing atomic energy and radioisotopes, this story of uranium shows the mining and milling of the ore; the atomic pharmacy at Oak Ridge; a series of scenes in hospitals and research centers, where radioisotopes are used to diagnose and treat diseases and where scientists study basic processes of living matter; and, by artistic animation, the film describes the splitting of uranium atoms to release tremendous amounts of energy. (Jr. High through Adult)

PETROLEUM (EBF)

10 minutes—sound $1.50 1.5

Animation and live-action photography show the importance of petroleum to world technology and suggest some of the critical political and economic problems related to its production and distribution. Essential steps in exploration, drilling and refining procedures are outlined. Maps show location and relative importance of oil producing areas of the world. Special emphasis given to petroleum resources of the U. S. Dramatic position which petroleum occupies in world commerce and international affairs is clearly set forth. (Jr. High through College)

PHOTOGRAPHIC SLIDES FOR INSTRUCTION (Ind. U.)

10 minutes—sound—color $4.00 4

This film shows the preparation and use of slides made by the photographic process. The use of color and black and white film is illustrated in outdoor and indoor situations. Flash photography, copying, and the use of Polaroid transparency film for making slides in a variety of subject areas are shown. (College and Adult)

PHOTO-ELECTRIC EFFECT (PSSC)

27 minutes—sound—color $5.00 5

Qualitative demonstrations of the photoelectric effect are shown using the sun and a carbon arc as sources. A quantitative experiment is performed measuring the kinetic energy of the photoelectrons emitted from a potassium surface. The data is interpreted in a careful analysis. (High School)

PHOTONS (PSSC)

19 minutes—sound $5.00 5

Photomultiplier and oscilloscope used to demonstrate that light

Unit Value

shows particle behavior; photomultiplier explained, amplification demonstrated, "noise" reduced; reasoning required to understand final outcome carefully discussed. (High School, College)

PICTURE OF BRITAIN (EBF)

23 minutes $4.00 4
Presents a social and industrial view of modern Britain and its people. Many phases of British daily life are shown, providing an authentic atmosphere and flavor of the nation and its people today. (Middle, Jr. High, Sr. High, College.)

PICTURESQUE GASPE (NFBC)

30 minutes—color $1.50 1.5
This film tours the whole peninsula from the quaint fishing villages of the shoreline to the high plateau of the interior. It takes in the industries along the way, mainly fishing and pulp and paper. It provides glimpses of other sources of tourist satisfaction—deep sea fishing, inland fishing and many picturesque ceremonies.

PILGRIMS, THE (EBF)

22 minutes—sound $4.00 4
Recreates with the aid of skillful acting, authentic sets, and period costumes one of the most significant episodes of American history: the first English settlement in New England.

PINEWAYS TO PROFIT (USDA)

16 minutes—sound $1.50 1.5
The old custom of burning the woods presents the most serious obstacle to forest management in the southern pine region. This film exposes the fallacy of this custom and shows benefits of good management of southern pine forests. (Jr. High through Adult)

PIONEER BOY OF THE MIDWEST (CORONET)

13½ minutes—sound $4.00 4
David walks home after school through a forest full of a variety of animals. When he reaches home, we meet his family and see how they and other pioneers lived from the land and the forest. (Intermediate, Jr. High)

PIONEER COMMUNITY OF THE MIDWEST (CORONET)

13½ minutes—sound $4.00 4
A visit with a family that settles in the Midwest about 1830 helps us become acquainted with the community and its inhabitants to show economic, political, and recreational aspects of pioneer life of the period. (Intermediate, Jr. High)

PIONEER HOME, A (CORONET)

11 minutes—sound $2.00 2
This film recreates authentically the atmosphere of a pioneer home, showing how the pioneers lived, what part the children played in pioneer life, the physical surroundings of the people, their simple pleasures, and the hard work. (Intermediate)

Unit Value

PIONEER JOURNEY ACROSS THE APPALACHIANS (CORONET)

13½ minutes—sound $3.00 3
The westward journey of a North Carolina family before the Revolution shows the close of the period when these mountains stood as a barrier to westward movement. We also see why they moved and how they traveled. (Intermediate, Jr. High)

PIONEER JOURNEY TO THE OREGON COUNTRY (CORONET)

13½ minutes—sound $3.00 3
This picture of a journey to the Oregon Country by wagon train in the 1840's tells us of life on the trail: the daily routine, recreational and religious activities, and the dangers and hardships. (Intermediate, Jr. High)

PIONEERS OF THE PLAINS (EBF)

10 minutes—sound $2.00 2
Traces the experiences of a pioneer family in journeying from Illinois to a homestead on the Midwestern plains. Sequences include relationship with other settlers and cattlemen; building and decorating a sod house; plowing, collecting fuel; and contacts with a circuit-riding minister. Conversations and music of the time lend reality to the picture. (Elementary through Sr. High)

PIPELINE (SHELL OIL)

24 minutes—color $1.50 1.5
This film illustrates and explains the building of a pipeline one thousand miles long, from Jal, New Mexico, to Wood River, Illinois. It shows the hardships and difficulties that are presented by such a large construction project, how they were overcome, as well as the skill and equipment necessary for the completion of the pipeline.

PIRRO AND THE ALARM CLOCK (OFFICIAL)

10 minutes—sound $2.00 2
Introduces Pirro, the puppet, and the wonders of telling the difference between numbers and what they represent in the way of time, and then explains what makes the alarm clock go off. (Primary and Elementary)

PITCHING STARS OF BASEBALL (AMERICAN & NATIONAL)

20 minutes—sound $4.00 4
This is an official major league motion picture written and directed by Lew Fonseca. This film features Bob Feller, Ewell Blackwell, Hal Newhouser and Harry Brecheen.

PLANNING FOR PERSONAL AND PROFESSIONAL GROWTH (McGRAW-HILL)

18 minutes $4.00 4
A dramatic case study of the personalities and careers of four teachers, this provocative film vividly illustrates the importance of planning for personal and professional growth. From case histories, the audience can draw the answer to the concluding question, "Why is it that teaching can be a source of dullness and frustration for some—and a rich and rewarding experience for others?"

Unit Value

PLANNING YOUR CAREER (EBF)

16 minutes—sound $3.00 3
A basic vocational guidance film designed for High School students and others who are facing the problem of deciding on a career. It presents a straightforward procedure through which a person can come to a better understanding of his own capabilities and the potentialities of various careers in which he is most likely to succeed. (High School)

PLANTATION SYSTEM IN SOUTHERN LIFE (CORONET)

11 minutes—sound $2.00 2
Re-enactments of life on a typical southern plantation relate historic scenes to their modern counterparts—with information on the organization of the plantation and the effect of the Civil War on the economy. (Intermediate, Jr. High)

PLANT GROWTH (EBF)

10 minutes—sound $2.00 2
A remarkable presentation of the growth of the pea plant. It shows by time-lapse photography the entire story from the time the seed first sends out its roots and stalk until the ripened seeds are scattered. The processes of pollination and fertilization are vividly portrayed by means of photography and animation. (Elementary through College)

PLANT LIFE AT WORK (MOODY INSTITUTE OF SCIENCE)

10 minutes—sound—color $4.00 4
An excellent time-lapse photography and photo-micrography study of the life functions of plants. The forces involved in the opening of the petals or the cracking of a house's foundation, the growth behavior of roots, the tropisms coordinated to assure the plant's survival, the struggle of the plant to reach sunlight, and an exceptional microscopic study of cells within the leaf during photosynthesis are shown in this film, which clearly demonstrates that plants exert force to perform work. (Jr. High-College)

PLANT TRAPS (EBF)

10 minutes—sound $2.00 2
Carnivorous plants have unusual characteristics of entrapping and digesting insects and other small animals. The film shows how the pitcher plant lures insects to its trap, where they drown. The sun-dew, another carnivorous plant, is shown throughout its life cycle. The enfolding of insects by its leaf tentacles is presented very impressively by means of time-lapse photography. Many unusual and interesting scenes. (Jr. High through College)

PLANTATION SYSTEM IN SOUTHERN LIFE (CORONET)

10 minutes—sound $2.00 2
Social and economic development of a cultural pattern is traced visually by this motion picture. Life on a typical southern plantation is recreated so that historic scenes can be related clearly to their modern counterparts. The film presents information on the organziation of a plantation; economy as dominated by one crop—cotton; effects of the Civil War on the economy and the heritage of all these on life in the South today. (Elementary)

Unit Value

PLANTER OF COLONIAL VIRGINIA (EBF)

11 minutes—sound $2.00 2
Recaptures representative phases of life in Colonial Virginia. Shows Williamsburg as the political and social center of the colony; the roles of the slaves; indentured servant, and artisan; methods of manufacture and means of transportation; architecture; social customs; and music of the period. (Elementary through Adult)

PLAY IN THE SNOW (EBF)

10 minutes—sound $2.00 2
Shows boys and girls playing such snow games as fox and geese and building snow men. Emphasizes freedom and healthfulness of group playing in the snow. (Elementary and Jr. High)

PLAYGROUND SAFETY (CORONET)

11 minutes—sound $2.00 2
Planned to improve playground behavior by implanting three basic rules of the playground—see that the play space is safe, keep out of the way of other players, and learn how to play skillfully. (Primary and Elementary)

PLAYTOWN, U. S. A. (AI)

25 minutes—sound—color $1.50 1.5
Here is an outstanding fast-moving human interest picture that does an excellent, well dramatized job of showing how a community can organize to promote community-wide, all-age year round recreation. It presents factual and convincing pictorial evidence of what can be done when all public and voluntary agencies pool their resources to achieve a common objective.

PLEIOTROPISM, PENETRANCE & EXPRESSIVITY

30 minutes—sound $5.00 5
Lecture by Dr. C. Stern. (College)

THE PLYMOUTH COLONY: THE FIRST YEAR (CORONET)

16 minutes—sound $3.00 3
Authentic scenes filmed at Plymouth, Massachusetts and on Mayflower II give an authentic, vivid quality to the inspiring story of the Pilgrims' first year in the New World. (Intermediate, Jr. High, Sr. High)

THE PONY EXPRESS IN AMERICA'S GROWTH (CORONET)

11 minutes—sound $2.00 2
The film portrays the dramatic story of the Pony Express—its inauguration and operation for 19 months until the telegraph system linked East and West. Costumed re-enactments show the first Pony Express rides. (Intermediate, Jr. High)

POLICEMAN, THE (EBF)

10 minutes—sound $2.00 2
Describes the function of police officers in general and follows a typical city patrolman through one of his regular shifts of duty. In due course, the use of motorcycles and patrol cars with two-way radio communication is demonstrated and explained.

Unit Value

Lessons in pedestrian and vehicular traffic safety are developed, along with the role of the policeman in rescue work and the apprehension of a speeding driver. (Primary through Jr. High)

THE POISONED KINGDOM (EBF)

30 minutes—sound—color $6.00 6

Poison plays an important part in the play "Hamlet" and in this film we are given a clear insight into just how important poison can be in any relationship.

POLITICAL PARTIES (CORONET)

11 minutes—sound $2.00 2

Designed to show the relationship of political parties to the individual, and to show that the institution of parties is dependent upon popular approval. The work of party mechanics is illustrated and the way parties keep good-will. The relationship of local party activities to national measures is explained, as well as democratic voting procedures. (Elementary through Adult)

POMPEII AND VESUVIUS (EBF)

10 minutes—sound—color $4.00 4

Using technicolor photography to tell its pictorial story, the film suggests the dramatic contrast between the past and present life of cities near Mt. Vesuvius and the ever-present threat of the volcano itself. Opening on a sequence which portrays the still living volcano, the film suggests by means of extant ruins the ancient destruction of the city of Pompeii. A colorful native dance of the present contrasts with the lifeless ruins of yesterday but always with Mt. Vesuvius in the background as a reminder of a threat not yet removed. (Jr. High through Adult)

POND INSECTS (EBF)

11 minutes—sound $2.00 2

Presents the diving water beetle, the mayfly, and the dragonfly, as representatives of this group of insects. Their life cycles are portrayed, as well as their food habits and struggle for existence. We see a diving beetle lay its egg; a water beetle larva attacking a large tadpole; the mayfly molting after acquiring wings; the mayfly hiding from its enemies; and the remarkable mask of the dragonfly nymph. (Jr. High through Adult)

POND LIFE (EBF)

10 minutes—sound $2.00 2

Depicts the pond as an organized community in which plants and animals are dependent upon each other, and points up conditions which are necessary for life in the pond. Portrays representative animals living at various levels of the water and explains why they live at those levels. Shows animals which lie upon one another and thus keep the population of the pond in balance. (Primary and Elementary)

POP RINGS THE BELL (NSS)

23 minutes—sound $1.50 1.5

This dramatic, convincing story of progress in education is designed to show that education is an investment. Opening with a back-to-school party, the film shows how the educational leaders

Unit Value

overcome their opposition and become more progressive. Fine for P.T.A. and community school groups. (Adult)

PORTUGAL (MOT)

12 minutes—sound $2.00 2
Shows with objectivity the status of education, labor and industry in this country whose future role among the nations of the world is still undetermined. Impressive sequences are given of the religious pageantry of a country devotedly linked to the Roman Catholic Church. (Jr. High through Adult)

POSTURE AND EXERCISE (EBF)

10 minutes—sound $2.00 2
Explains muscle activity and the physiology of exercise. Concepts presented include the relation of the nervous system to the skeletal muscles, motor units of work, development of endurance, muscle tonus in relation to posture, and peripheral circulation as it related to general physical efficiency. (Jr. High through Adult)

POSTURE AND LOCOMOTION (EBF)

10 minutes—sound $2.00 2
Deals with the steps by which the infant advances from a helpless state of immaturity in which he only kicks and wriggles to the stage where he is able to change position and posture at will. Presents a study of these phases of the child's development from the age of 8 to 80 weeks. Thirteen age levels are portrayed in a consecutive biographic series. (Sr. High through Adult)

POTTERY MAKING (EBF)

11 minutes—sound $2.00 2
Shows a professional potter at work mixing clay preparatory to centering it on a wheel shaping, trimming, and preparing it for firing. An Indian bowl is constructed by the ancient method of building up and shaping coils of clay, on which a primitive design is later added. Use of a plaster cast in the molding of duplicate pieces is demonstrated. The art of making angular shaped pottery cementing slabs together; also methods of decorating and firing; techniques of applying glazing slip by dipping, brushing, spraying and pouring. (Elementary through Adult)

POULBOT AND THE CHILDREN OF MONTMARTRE (IND)

12 minutes $4.00 4
This film attempts to reveal the sensitivity and affection which Poulbot felt for the children of Paris. In his art, Poulbot devoted much of his time to depicting the miseries and joys of the little street urchins of Paris who still bear his name. They are called "Les Petits Poulbots." They still exist in Montmartre and can be seen at every corner—dirty, miserable, sometimes hungry, but free.

POULTRY ON THE FARM (EBF)

10 minutes—sound $2.00 2
The appearance and habits of adult and young chickens, ducks, geese, and turkeys are presented in this film. Includes such subjects with their natural sounds, as chickens, roosting, feeding and drinking; comparative appearance of hen and rooster;

Unit Value

brooder house and chicks; gathering of eggs; incubation of eggs; egg embryos; chicks hatching; ducklings just hatched on outdoor nests; ducklings feeding and diving in water; goose, gander, and goslings. (Primary through Jr. High)

POWERS OF CONGRESS (CORONET)

10 minutes—sound $2.00 2

Mr. Williams dropped off to sleep for only a few moments to find himself confronted with a chaotic world in which Congress had been suspended. It was a nightmare—fantastic, weird, unbelievably confusing. He awoke with a new understanding of Congressional powers and his own responsibility in the selection of his representatives. (Jr. and Sr. High)

PRACTICE MAKES PERFECT DRIVERS (GM)

11 minutes—sound $1.50 1.5

Demonstrations of several driving skills which enable the expert driver to avoid trouble under difficult conditions. Emphasis is placed on the need for constant practice to develop these skills. (Sr. High through Adult)

PRACTICING DEMOCRACY IN THE CLASSROOM (EBF)

21 minutes—sound $3.00 3

This film makes the point that the teaching of good citizenship in schools can be done more effectively through democratic methods than through laissez-faire and authoritarian methods. It demonstrates what is meant by "democratic teaching techniques" by showing students in an up-to-date classroom being taught by the democratic method. (Jr. High through Adult) (Social Studies)

PRAIRIE PROVINCES OF CANADA (EBF)

10 minutes—sound $2.00 2

Manitoba, Saskatchewan, and Alberta—Districts of Mackenzie, Keewatin, and Franklin. This is one of the leading grain-growing regions of the world, wheat being the principal crop. (Elementary through Adult)

PREFACE TO CHEMISTRY (EBF)

16 minutes—sound $3.00 3

An introduction that surveys examples of human achievement dependent upon chemistry. Provides a brief description of our chemical heritage including the work of Priestley and Lavoisier. Introduces three basic areas of chemistry—inorganic, organic and physical—shows how these lead to applications that are widely beneficial. Interesting experiments concerning chemical change, electrolysis, conductivity, and analysis are shown. Describes how the work of modern chemists contributes to a higher standard of living. (High School) (Chemistry)

PREFACE TO PHYSICS (EBF)

15 minutes—sound $3.00 3

Opening on historic Mt. Vernon, the film compares the progress made in science before Washington's time with the tremendous advances since then. The important role of physics is identified, and significant divisions of physics are indicated—mechanics,

Unit Value

heat, sound, light, magnetism, and electricity. A series of demonstrations highlight the work of several great physicists, and a number of experiments illustrate the contents of beginning physics course. (High School)

PREHISTORIC TIMES: THE WORLD BEFORE MAN (CORONET)

10 minutes—sound $2.00 2
The dramatic sweep of two billion years of prehistory—from the formation of the earth to the coming of man. Each of the five great geological eras is presented according to its most important geological and biological developments. Actual fossil remains, examples of terrain, and realistic models of prehistoric plants and animals are interwoven to establish the broad impression of the earth's transformation and the accompanying changes in life. (Jr. High through Adult)

PREPARING YOUR BOOK REPORT (CORONET)

11 minutes—sound—color $4.00 4
Collaborator: Dwight L. Burton, Ph.D., Professor of English Education, Florida State University. With emphasis on the importance of preparation, this film illustrates the development and presentation of both written and oral book reports. By outlining his material and practicing his oral report beforehand, Jim gives a report on THE ADVENTUES OF TOM SAWYER which arouses the interest of his class.

THE PRESIDENT PLANTS A TREE

7 minutes—color $1.50 1.5
The White House has a special significance for all American citizens. Each President has left his mark on the official executive residence. Some of the finest contributions to its beauty have been made by trees planted by our Presidents on the White House lawn. Many of these trees are shown in their present splendor. Here, following tradition, President Eisenhower plants the tree of his choice for future generations to enjoy. (TV use permitted)

PRESIDENT'S CABINET (CORONET)

10 minutes—sound $2.00 2
Relationship of the President's cabinet to everyday life situations and to other functions of our government is shown in this important civic production. Functions of the cabinet and the executive departments are outlined and the general development of the cabinet is reviewed. (Jr. and Sr. High)

PRESIDENTIAL ELECTIONS (EBF)

15 minutes—sound $3.00 3
Describes the process of electing a President of the United States, emphasizing it as the most significant event in American political life. Dynamic and graphic charts and a wealth of photographic material describe recent campaigns. The film analyzes the structure and strategy of presidential campaign organizations and the major political moves involved in the nomination and election of a President. (Jr. High and Adult) (Problems of Democracy)

Unit Value

PRESSURE OF LIGHT (PSSC)

21 minutes—sound $5.00 5
Light pressure on a thin foil suspended in a high vacuum sets the foil into oscillation. The film leads up to this by a discussion of the Crookes radiometer and the effect—not light pressure—that causes it to rotate. The role of light pressure in the universe is also briefly discussed. (High School)

PRE-TRIAL CONFERENCE (U. of C.)

27 minutes—sound $1.50 1.5
This film shows how the facts and issues of a case are simplified in the judge's chamber before a trial date is set. This case concerns a woman injured by an exploding pop bottle. (College-Adult)

PRIDE, THE SADDLE HORSE (EBF)

10 minutes—sound $2.00 2
After showing the role of the horse in modern life, the film follows the development and training of a colt from one week to three years of age in the Blue Grass country of Kentucky. Feeding, training, etc. (Primary through Sr. High)

PRIMARY CELL, THE (EBF)

10 minutes—sound $2.00 2
Photographic scenes demonstrate several phenomena of cells. Animated drawings explain in detail the operation of the dry cell in terms of electron action including ionization of the electrolyte, electron flow through circuit, action at electrodes, polorization and depolarizer. Demonstrations reveal the operating characteristics of a cell and of several cells (or battery) in both series and parallel connections. (Sr. High and College)

PRINCIPLES OF BAKING (EBF)

11 minutes—sound $2.00 2
Explains the factors involved in the making of baked products. It shows that all baked products or flour mixtures have a common ingredient—flour. To this framework are added other ingredients dependent on the kind of product desired. The factors described in the film are (1) leavening agents, (2) methods of combining ingredients, and (3) oven temperature used. Presents the step-by-step process of baking bread, pastries, and cakes. Close-ups show the methods of mixing the ingredients. The action of one ingredient upon the other is explained. (Jr. and Sr. High)

PRINCIPLES OF COOKING (EBF)

11 minutes—sound $2.00 2
Explains the changes that take place in meats and vegetables upon the application of heat. Methods of cooking meats and vegetables demonstrated include boiling or cooking by direct contact with water; using the double boiler or cooking by indirect steam; using the steamer cooker and the pressure cooker or cooking by direct steam; deep frying; pan frying; broiling; braising; and baking or roasting. (Jr. High through Adult)

Unit Value

PRINCIPLES OF DEVELOPMENT (McGRAW-HILL)

17 minutes $3.00 3
This film outlines the fundamentals of growth from early infancy through childhood. Development follows a pattern which is continuous, orderly, progressive and predictable. The film considers the many variables which make each child different from every other one. Correlated with Hurlock: *Child Development.* (College, Adult)

PRINCIPLES OF REFRIGERATION (KB)

10 minutes—sound $2.00 2
An excellent film study which deals with discovery and development of refrigeration—shows the application of its principles in commercial and household uses for the preservation of food, and clearly presents a concise story of this modern necessity. (Jr. High through College)

PRINCIPLES OF SCALE DRAWING (CORONET)

10 minutes—sound $2.00 2
Wherever things are built scale drawings are the language of construction. Jack, Gil and Helen are building a booth for the Charity Fair. In solving their basic problems they instruct us in the skills and interpretation of scale drawing. (Jr. and Sr. High)

PRINTING THROUGH THE AGES (EBF)

13 minutes—sound $3.00 3
Traces the story of printing from ancient times to the present day. Shows early methods of reproducing pictures by means of carved wood blocks and depicts the gradual transition from printing of pictures to printing of letters. Includes sequences illustrating Guttenburg's contributions to printing. Shows evolution of modern type face and improvements in paper on which to print. Suggests the impact of the Industrial Revolution on printing and concludes with scenes of modern book and newspaper presses in operation. (Elementary through Adult)

PROBLEM OF PUPIL ADJUSTMENT—THE DROP-OUT (McGRAW-HILL)

20 minutes $4.00 4
Steve Martin left school as soon as the law permitted. The reasons why school failed to meet his needs are examined in this film. The type of curriculum which Steve found dull and monotonous is discussed. The film emphasizes the importance of a life-adjustment program in the school, including the relation of the class subjects to the interests of the students. Correlated with Sorenson: *Psychology in Education.*

PROBLEM OF PUPIL ADJUSTMENT—THE STAY-IN (McGRAW-HILL)

19 minutes $4.00 4
This is a study of a school that reduced the number of students who drop out of school to a small percentage because its curriculum concentrates on meeting the needs of the students. The school program stresses learning in terms of actual everyday living. Correlated with Sorenson: *Psychology in Education.*

Unit Value

PROBLEMS OF FLIGHT (EBF)

10 minutes—sound $2.00 2
Explains and illustrates major principles of flight maneuvers. Demonstrates manipulation of plane's controls while taking off, climbing, banking, stalling, spinning, diving, gliding, and landing. Contrasts correct and incorrect techniques of various maneuvers with special emphasis on gliding and landing. Animated drawings superimposed over natural photography clarify explanation of force acting upon plane during flight. (Jr. and Sr. High)

PROBLEMS OF HOUSING (EBF)

11 minutes—sound $2.00 2
Shows standards for pleasant and healthful housing, and demonstrates simple, practical ways of modernizing our homes to conform to these standards. Stresses protection from weather, adequate light, safety, beauty and freedom from insects. (Sr. High through Adult)

PRODUCTION OF FOODS (EBF)

10 minutes—sound $2.00 2
Presents authentic material concerning the technology and geography of food production. Photographic and animation sequences depict the role of land in production; the methods employed in the production of plant and animal products; and the relation of animal food production to plant foods. Problems concerning the increase in world production of foods are posed and possible solution suggested. (Elementary through Adult)

PRODUCTIVITY: KEY TO PLENTY (EBF)

20 minutes—sound $3.00 3
Explains vividly and dramatically how we in America have attained the world's highest standard of living because we have developed and learned to use machines—machines which, in turn, have enabled us to achieve a tremendous capacity for production. Warns that continued prosperity depends on our uninterrupted technological progress and on our full use of the basic sources of power. (Sr. High through Adult)

PROJECT "MOHOLE" (Horizons of Science)

19 minutes—sound—color $2.00 2
Report No. 1 on a major scientific project to drill a hole to the interior of the earth; exclusive films of the U. S. oceanographic expedition surveying possible sites.

PROJECTING IDEAS ON THE OVERHEAD PROJECTOR (U. of Iowa)

16 minutes—sound—color $5.00 5
Shows the overhead projector in use in the classroom using the many types of transparencies, some of which can be purchased and others are made by the instructor. Also shows how science demonstrations can be projected with the overhead. (College and Adult)

Unit Value

PROMOTING PUPIL ADJUSTMENT (McGRAW-HILL)

20 minutes $4.00 4
The social and emotional growth of her pupils should be as important to a secondary school teacher as their intellectual progress. For well-adjusted pupils, appropriate guidance gives a firmer direction for good growth. For others, such as the unaccepted newcomer, the child who lacks self-confidence or the one who suddenly develops a strange, unsocial behavior—guidance can be even more important.

PROPAGANDA TECHNIQUES (CORONET)

10 minutes—sound $2.00 2
Chuck would like to know whether the election was really "a victory for good government," as the victorious party claimed, or just a victory for propaganda. By sharing his research, your students will learn the methods of recognizing and evaluating propaganda and will be encouraged to adopt a judicious, critical attitude toward it. (Jr. and Sr. High)

PROPERTIES OF WATER (CORONET)

10 minutes—sound $2.00 2
This film prepares students to perform and understand experiments with electrolysis, boiling and freezing points, distillation, solutions, crystallization, filtration, pressure cookery, and to analyze the properties of water, our most important compound. As a laboratory film, this subject demonstrates the characteristics of water and answers many common, but important, questions about it. (Jr. and Sr. High)

PROPERTY TAXATION (EBF)

10 minutes—sound $2.00 2
Fundamental operations in arithmetic are practically applied in a graphic exposition of the essentials of property taxation. The film portrays the social usefulness of property taxation, the types of government expenditures supported by property levies, public financing through bond issues, and procedures of levying taxes on property. Arithmetic problems involved in these activities are demonstrated in a series of animated sceens. (Sr. High through Adult)

PROTOZOA (ONE-CELLED ANIMALS) (EBF)

11 minutes $2.00 2
This remarkable film, photographed by the distinguished scientist and photomicrographer, Dr. Roman Vishniac, is an intimate close-up exploration of the world of one-celled animals. Identifies pseudopods, flagelettes, and ciliates. Shows how they move, how they eat, and how they reproduce. Provides striking examples of symbiosis, parasitism, and colonial organizations. Employs unique camera techniques to examine phenomena that have rarely been captured on film. (Sr. High, College)

PSEUDOALLELISM

30 minutes—sound $5.00 5
Lecture by Dr. E. B. Lewis. (College)

Unit Value

PUBLIC OPINION (EBF)

10 minutes—sound $2.00 2
Public opinion process is traced through state of tension, diagnoses and prescription, further debate to final action. Shows what effects public opinion process. Methods of measuring public opinion are illustrated, also ways of analyzing factors that influence public opinion. Defines nature of an enlightened public opinion in a Democracy. (Jr. High through Adult)

PUBLIC OPINION IN OUR DEMOCRACY (CORONET)

10 minutes—sound $2.00 2
Attitudes of citizens toward prominent issues in political and social life are a vital part of the American system. This motion picture explains clearly the importance of public opinion, shows how it is formed and determined on a significant community issue. From it students will learn the importance of their opinions and the obligation they have to express their opinions in terms of responsible action. (Jr. and Sr. High)

PUNCTUATION FOR BEGINNERS (CORONET)

11 minutes—sound—color $4.00 4
Collaborator: Harold G. Shane, Ph.D., Dean, School of Education, Indiana University. As the pupils in Miss Anderson's class have fun constructing sentences and inserting proper punctuation, the basic rules of punctuation are presented. Pupils will learn why and where we use periods, question marks, and commas in sentences, the use of the period in abbreviations, and the use of the comma in dates and place names.

PUNCTUATION—MARK YOUR MEANING (CORONET)

10 minutes—sound $2.00 2
Emphasizes the importance of proper punctuation and its basic rules. Tom and Beth, showing scenes of their puppet show, find that without punctuation meanings become altered and that their puppet story cannot be understood. (Elementary through Sr. High)

PUPPETRY: STRING MARIONETTES (EBF)

10 minutes—sound $2.00 2
Accompanies a little boy as he visits a puppeteer's workshop and reveals the craftsman at work constructing one of the marionettes—carving the wooden parts, assembling the pieces, and adding the costume. Demonstrates the manipulation of marionette strings for the basic actions of walking, gesturing, nodding, and sitting. Concludes with a delightful episode from Hansel and Gretel. (Elementary and Jr. High)

PURITAN FAMILY OF NEW ENGLAND (CORONET)

11 minutes—sound $2.00 2
A Puritan family, living in a small coastal village, participates in many activities and chores: learning from a hornbook, digging for clams, spinning wool, cooking cornbread, making soap, hunting, and dressing skins. (Intermediate, Jr. High)

Unit Value

PUSS IN BOOTS (EBF)

16 minutes $3.00 3
The well-known fairy tale is re-told with animated puppets. Made by the German craftsmen, the Dietz Brothers, the puppets are truly artistic creations of romantic figures from the German folklore. Considered to be one of the most successful stop-motion pictures with puppets. (Primary, Middle)

PYGMIES OF AFRICA (EBF)

20 minutes—sound $4.00 4
The film depicts subsistence of Pygmy tribes living in the Congo River Region of Central Africa. Mode of living, gathering of food, hunting methods, animals native to the region, a community game hunt, and bartering processes are among the many phases of native life presented. Witch doctor mysticism is very interesting as are the native superstitions. (Elementary through Adult)

THE QUEEN'S PLATE (NFBC)

21 minutes—sound—color $1.50 1.5
A colorful and stirring pageant at any time, the race presented here is further embellished by showing the history, both of the event and of a sleek contender for the cherished prize. It's all here—the story of how the Queen's Plate began, of how a horse is reared and trained . . . and a close-up of the great event from Her Majesty's arrival to the final burst of applause as she presents the gleaming trophy.

THE RACCOONS' PICNIC (EBF)

5 minutes $2.00 2
While their parents, like sensible raccoons, are sleeping through the day, Beatrice and Willie set out to explore the rocks and woods. Meanwhile, two boys have gone for a swim, leaving their lunch packs on the lake shore. Guess who has the picnic? (Primary, Middle)

RADIO WAVES (McGRAW-HILL)

27 minutes—sound—color $6.00 6
Describes in specific detail present efforts to increase man's understanding of the behavior of radio waves—man-made and natural—and examines the vast electrified region above the earth, called the ionosphere.

RADIOLOGICAL DEFENSE (DEFENSE MOBILIZATION)

28 minutes—sound—color $1.50 1.5
Illustrates the menace of radio-active fallout. Describes the nature and effects of fallout and shows how the nation's radiological defense operates at all levels of activity. The fallout shelter is stressed as the best means to protect the greatest number of people in the event of nuclear war.

RAINDROP SPLASH (Ind. U.)

14 minutes—sound $3.00 3
Presents the book Raindrop Splash by Alvin Tresselt with pictures by Leonard Weisgard, published by Lothrop Lee and Shephard. The Friendly Giant gets a giant umbrella from the

Unit Value

book bag. Jerome the giraffe explains why it is bad luck to open it indoors. (Primary)

RANDOM EVENTS (PSSC)

31 minutes—sound $5.00 5
Patterson Hume and Donald Ivey, University of Toronto. This film shows how the overall effect of a very large number of random (unpredictable) events can be very predictable. Several unusual games are played to bring out the statistical nature of this predictability. The predictable nature of radioactive decay is explained in terms of what is shown.

REACTION KINETICS (JS)

11 minutes—sound—color $1.50 1.5
An introduction to Reaction Kinetics presents the principles used in interpreting the mechanism of chemical reactions. (High School, College)

REACTIONS IN PLANTS AND ANIMALS (EBF)

11 minutes—sound $2.00 2
After first characterizing the concepts of "stimulus" and "reaction," the film presents a study of different types of reactions in plants and animals. Directed reactions in a field of force (tropisms) are studied first; then higher reactions including reflexes and chains of reflexes lead up to a review of nervous system activity. Such reactions as geotropism, phototropism, sterotropism, galvanotropism, and rheotropism are studied in detail. Time-laspe photography is employed to illustrate geotropism (response to gravity). (Jr. High through College)

THE REALM OF THE GALAXIES (McGRAW-HILL)

20 minutes—sound—color $2.00 2
An inquiry into the farthest reaches of the universe, with Dr. Allan R. Sandage of the Mt. Wilson and Palomar Observatories, California. An especially effective stimulation is provided by the awesome beauty of distant galaxies.

REALM OF THE WILD

27 minutes—sound—color $2.00 2
Our national forests are great wilderness homes for America's wild-life and abundant with numerous species of colorful wild flowers. One-third of all our big game animals and myriad smaller animals and birds claim the national forests as their homes. It is commonly believed that if they are protected from the guns of hunters and snares of trappers this is sufficient to keep them healthy and happy. This picture reveals that even more vital than game laws to our wild birds and animals is an assured year-round supply of food. Each year thousands of deer which should have been harvested by hunters are lost by winter starvation. For this reason wildlife populations must be limited—kept in proportion to the land's productive capacity. (Primary through Adult)

RECEIVING RADIO MESSAGES (EBF)

11 minutes—sound $2.00 2
Describes by means of animated drawings the principles of a radio receiver. It explains the problem of tuning the capacity

Unit Value

of the variable condenser, the inductance of the coil and resonance. The film demonstrates the need of detection and how it is achieved by a crystal. The operation of the earphone is explained together with the production of audible sound waves. (Jr. High through Adult)

THE RECOVERY OF OEDIPUS (EBF)

30 minutes—sound—color $6.00 6

True knowledge of life through the painful search for truth is pointed out in this final lesson and brings all the foregoing thought to a climax.

THE REFORMATION (CORONET)

13½ minutes—sound—color $5.00 5

This film explains the Reformation in terms of the Church, the cultural rebirth of the Renaissance, the emergence of national states, and new interpretations of the Scriptures. (Intermediate thru Adult)

REGENERATION (McGRAW-HILL)

28 minutes—sound $5.00 5

Defines regeneration as a developmental process and studies some examples and their controls. Shows animals that regenerate and tells of experiments that students might perform on stentor, hydra, planaria, earthworm, starfish, and others. Proclaims that hormonal control is important and, demonstrating regeneration in the arm of a newt, diagrams the action of the pituitary and the adrenal gland. Diagrams further the action of the nerve and leg tissue in regeneration. Concludes that in mammals' appendages the antlers of a deer are a fine example of regeneration. Guest lecturer—Monica Riley, University of California.

REGULATION AND CONTROL (AIBS)

28 minutes—sound—color $5.00 5

Guest lecturer—Dr. Charles Pomerat, Pasadena Foundation for Medical Research. Shows activity of certain organelles of cells. Describes functions of the nucleus in terms of the regulating activities of DNA and RNA. Presents usefulness of tissue culture in cell control.

REHEARSAL (AT&T)

24 minutes—sound $2.00 2

A behind-the-scenes story of a rehearsal for the Bell Telephone Hour radio program, featuring Ezio Pinza, Blance Thebom, Donald Voorhees and the Bell Telephone orchestra. Scenes show the artists rehearsing for a broadcast, then changes to presentation of the program "on the air." The commercial announcement briefly traces the development of communications concluding with a description of today's micro-wave radio relay system, now operating between New York and Boston. (Jr. High through Adult)

RELIGIOUS DANCE (Frontiers of Faith Series—Nat. Acad. Jewish Studies)

27 minutes—sound $5.00 5

A historical portrayal of some of man's efforts to express his religious drives in the form of dance routines—some, highly

Unit Value

symbolic, impressionistic complex expressions; others, simple expressions of awe and faith. (Adult)

REMBRANDT, MASTER OF THE NIGHT (IND)

12 minutes $4.00 4

Devoted entirely to the presentation of Rembrandt's etchings, this portrait of the life of the great Dutch painter is developed chronologically. Special effort is made to clarify Rembrandt's mastery of light in portraying not only the soul of the artist but also the spirit of the individuals he draws. Film text material includes quotations by the poet Paul Claudel.

REMEMBRANCES OF TIME PAST (IND)

12 minutes $4.00 4

In this film, two artists' visions are confronted: Vermeer's paintings and Proust's writing. It was looking at the paintings of Vermeer that Proust remembered most strikingly and most differently all that he knew. "That is how I should have written," he said. "What makes for the absolute beauty of certain things . . . is a kind of transparent unity in which all things lose their superficial character to be marshalled together in a kind of order infused with the same light which is incapable of being assimilated."

REMNANTS OF FRONTIER LIFE (HARTLEY)

20 minutes—sound $2.00 2

This film presents a day in the life of a typical family of the southern highlands. It shows the conditions under which they live and work. (Jr. High through Adult)

RENAISSANCE (CORONET)

10 minutes—sound—color $4.00 4

The Renaissance was more than an historical period. It represented a mental attitude and a human spirit. It is this spirit which the film evokes in a wealth of colorful, authentic images. From Galileo's telescope to Leonardo's notebooks, from the Medici Palace in Florence to St. Peter's Cathedral in Rome, your students will experience something of the science, the literature, the arts, and above all, the driving spirit of human endeavor that gave us the Renaissance. (Jr. and Sr. High)

REPORT TO THE AMERICAN PEOPLE ON TECHNICAL COOPERATION (FOA)

27 minutes—sound $2.00 2

This film was made to show the people of the United States the purposes, functioning, and achievements of the Technical Cooperation programs of the Foreign Operations Administration. This is a film all Americans should see that they might better understand why and how their government is helping underdeveloped nations of the world obtain higher standards of health, education, agriculture, production, and public administration.

REPRODUCTION AMONG MAMMALS (EBF)

10 minutes—sound $2.00 2

Actual photography, animated drawings, microcinematography, and three-dimensional animations are used in presenting the

Unit Value

story of embryology. The domestic pig was chosen for the purpose of illustration. The story is fundamentally complete from the formation of the original newborn pig, including such processes as fertilization, cleavage, blastulation, gastrulation, formation of neural folds, development of membrants and embryonic circulation and parturition. (Jr. High through College)

REPTILES (EBF)

14 minutes $3.00 3
Introduces the five orders of reptiles remaining on earth: lizards, turtles, tuataras, crocodilians and serpents. Describes the physical characteristics of these animals, their reproduction processes, feeding habits and special habitats. Points out some of the ways in which reptiles are useful to man. (Middle, Jr. High, Sr. High, College)

REPUBLIC OF ITALY (McGRAW-HILL)

17 minutes $2.00 2
Story of modern Italy with emphasis on the chaotic condition at the end of World War II. Includes sequences on the Vatican City.

THE RESCUE OF AMERICAN PRISONERS AT SANTO TOMAS (YA)

27 minutes—sound $5.00 5
On February 3, 1945, victorious American Troops re-enter the Philippines. (Sr. High through Adult)

RESEARCH BY ROCKETS (McGRAW-HILL)

27 minutes—sound—color $6.00 6
Beginning with a sequence on the early development of rockets, the film stresses the research nature and power of rockets and their functional application as devices to enable man to extend his knowledge of his planet and the cosmos.

RESPONSIBILITY (YA)

12 minutes—sound $2.00 2
Dramatizes the story of a high school boy who finds difficulty in meeting and carrying through his responsibilities. (Elementary through Sr. High)

RESPONSIVENESS (AIBS)

28 minutes—sound—color $5.00 5
Guest lecturer—Dr. H. Burr Roney, University of Houston. Depicts various ways in which living cells respond to stresses. Describes the steady-state of living things in terms of responsiveness and emphasizes the control systems found in cells.

RESURRECTION (FF)

12 minutes—sound $2.00 2
The tragic and brave story of the French people from 1940 to 1943 is told through official scenes of the terrible days of blitz and invasion, followed by the courageous efforts of the fighting forces to redeem the spirit of France. (Jr. High through Adult)

Unit Value

RHYTHM AND PERCUSSION (EBF)

12 minutes—sound $2.00 2
Eugene Kash explains to an audience of eager youngsters the fundamentals of rhythm and introduces the percussion instruments. An old Indian tom-tom is compared with modern drums, and a children's rhythm band performs under the direction of a diminutive leader. Final scenes in music classes show how teachers capitalize on the interest stimulated by the concerts. (Primary and Elementary) (Music)

RHYTHMS: INSTRUMENTS AND MOVEMENTS (EBF)

10 minutes—sound $2.00 2
A demonstration of rhythm activities in the primary grades. Tells the story of a second grade class which learns to make its own instruments and create its own rhythms after seeing the Indian dances of Chief Thundering Hill. (Primary)

RIDING HIGH (CTF)

18 minutes—sound—color $1.50 1.5
Excursions on horseback into the scenic grandeur of the Canadian Rockies are vacation highlights for visitors to the baronial mountain resorts of Banff Spring and Lake Louise. This film takes you on such an excursion showing the breathtaking panorama which is the reward of the riders of the high country. (Elementary through Adult)

RIGHT ANGLE (NEA)

28½ minutes $2.00 2
Dave Hall, young reporter, had a chance to make a name for himself by writing an article sharply critical of the local school system. He keyed his first story to a girl with below-average IQ, whom he had seen working in arts and crafts. Dave's question: Should she get a high school diploma for this sort of thing? Is it worth the taxpayer's money? Dave switched news angles in midstory and sold his editor on his new approach, that all children are blessed with interests and talents and it is up to the public schools to develop these individual differences for the good of all.

RIGHT OR WRONG: MAKING MORAL DECISIONS (CORONET)

10 minutes—sound $2.00 2
A gang of high school boys break a warehouse window; one of them is caught. The moral decisions of the watchman, the boy's mother, the property owner, the police sergeant, a social worker, and the boy are highlighted to motivate thinking and discussion. (Jr. and Sr. High)

RIKKI—THE BABY MONKEY (EBF)

10 minutes—sound $2.00 2
Tells the charming story of a mischievous little monkey and his family in their native jungle habitats. Remarkable real-life photography reveals what Rhesus monkeys like to eat, how mother monkey cares for her baby, how they spend their time in the jungle, and how young monkeys like to climb and play. (Primary and Elementary)

Unit Value

RISE OF NATIONS IN EUROPE (CORONET)

13½ minutes—sound—color $5.00 5
From feudal times to the 17th century, we see the roles played in the rise of nations by the middle classes, the growth of trade, and the consolidation of monarchies.

RISE OF THE ROMAN EMPIRE (CORONET)

13½ minutes—sound—color $5.00 5
This film traces the development of Rome from early tribal beginnings to a mighty empire embracing most of the Western world, with emphasis on the factors which made this rise possible.

RIVER, THE (C)

30 minutes—sound $2.00 2
One of the outstanding social documents of our times. The great Mississippi River system has influenced the land and people over two-thirds of our country. Unfortunately, in the haste of economic expansion, these waterways and the surrounding forests and farms have been ruthlessly misused and have led to great human suffering. Shows the devastation resulting from cut-over forests—relentless floods with loss of lives and property. Offers some suggestions for improving the Mississippi Basin and for preventing future waste. The story is told by an unusual combination of images, words, and musical score, resulting in a highly stimulating film. (Elementary through Adult)

ROAD TO BOOKS (SVENCK FILM INDUSTRIES)

17 minutes—sound $2.00 2
Depicts the Swedish Library System, showing the services of the Library and how it can affect the lives of all the people. (Jr. High through Adult)

ROAD TO KELTIC (NFBC)

18 minutes—color $1.50 1.5
A film trip during autumn along highways of Nova Scotia that lead through picturesque Maritime countryside across the new Canso Causeway linking the mainland to Cape Breton Island, and down the Cabot Trail to Keltic Lodge in beautiful Cape Breton Highlands National Park.

ROBERT E. LEE (CORONET)

15 minutes—sound—color $4.00 4
Lee is studied first as a Virginian, a devout Christian who was forced to decide between his home and the Union he loved; then, as a brilliant strategist and beloved commander who stood for "cause, country, and all"—a man whose integrity of principle, even in defeat, set an example for the New South and for future generations of all the nation. (Jr. High through Adult)

ROBIN RED BREAST (EBF)

11 minutes—sound $2.00 2
The dramatic story of a robin family from the time father and mother robin build their nests until the baby robins are old enough to take care of themselves. (Primary through Jr. High)

Unit Value

ROCKETS: HOW THEY WORK (EBF)

16 minutes $3.00 3
The film opens with dramatic scenes at a rocket-launching site as a giant rocket is being prepared for take-off. It points out that rockets are designed to function above the earth's atmosphere. The film describes the need for control systems in rockets and illustrates a typical system. This consists of spinning gyroscopes which tend to maintain their pre-set direction.

ROMANCE OF SILVER DESIGN, THE (REED AND BARTON)

27 minutes—sound—color $1.50 1.5
This film tells the story of silver and how much it has meant to mankind from its first discovery thousands of years ago up through the great civilizations of today. It traces the origin of some of today's best loved sterling designs and shows not only how silverware was used in the past, but also how sterling should be used and cared for today. (Jr. High through Adult)

ROME, CITY ETERNAL (EBF)

10 minutes—sound—color $4.00 4
Concentrating primarily on extant ruins, statuary, architecture and the art preserved in St. Peter's, this film highlights important aspects of the significance of Rome through the ages. The film might be described as a "camera portrait" of the past and present glory of Rome. (Jr. High through Adult)

ROOTS OF PLANTS (EBF)

11 minutes—sound $2.00 2
Presents examples of tap, fascicled and fibrous roots, and treats their structure and function. Microphotography makes visible the passage of a root through the soil and the movement of protoplasm i na root-hair. An osmosis experiment is demonstrated. The formation and storage of starch and sugar are explained. (Jr. High through Adult)

ROUSSEAU: A TRIP IN THE LITTLE CART (IND)

12 minutes $4.00 4
It is in "The Little Cart," subject of one of Rousseau's most famous paintings, that this film takes its trip through Rousseau's private world. It is not a question of traveling very far to some distant isle out of disgust for this world. It is enough to let one's eyes travel—to take a look at the simplest of everyday realities.

RUBBER FROM OIL (BM)

30 minutes—sound $1.50 1.5
Traces the development of butyl rubber from small scale experiments in the chemical laboratory and its emergence through pilot plant tests to full scale automated manufacture. (Jr. High thru Adult)

RUBY THROATED HUMMINGBIRD (CORONET)

8 minutes—sound—color $4.00 4
Even when half grown the young hummingbird hardly fills a teaspoon. His diminutive, lichen-covered nest, where the pea-sized eggs are hatched, so nearly resembles a part of the tree

Unit Value

that it is seldom discovered. But here our camera has found the darting bird and caught him in his most characteristic activities. (Elementary)

RULES AND LAWS (EBF)

14 minutes—sound $2.00 2

Designed to help boys and girls understand the purpose of laws in our society this film demonstrates that laws in the community are like rules in children's games. A group of youngsters is first brought to realize that having rules and abiding by them makes playing together enjoyable for all. Then they consider certain specific laws which have benefitted the people of their community—thus making community life more enjoyable for all. (Grades 3 through 6)

RURAL LIFE OF MEXICO (CORONET)

10 minutes—sound—color $4.00 4

Highlights of the film include scenes of primitive agricultural practices, laundering as carried on in mountain streams and primitive communal stone tubs, home life, regional costumes and two colorful sequences depicting traditional dances. The film closes with a visit to a quaint and colorful fishing village on Lake Patzcuaro. (Elementary through Adult)

RUSSIA (IFF)

24 minutes—sound—color $7.00 7

The most thorough and objective of all the films about Russia. Winner of the 1959 "Scholastic" award. (Jr. High-Adult)

THE RUTHERFORD ATOM (PSSC)

40 minutes—sound $5.00 5

Dr. Hulsizer uses a cloud chamber and gold foil to carry out the historic Rutherford experiment which led to the nuclear model of the atom. Behavior of alpha particles clarified by use of large scale models illustrating the nuclear atom and Coulomb scattering.

RX: STORY OF YOUR PRESCRIPTION (SQUIBB)

20 minutes—sound $2.00 2

Highlighting in this non-technical documentary picture are the painstaking care and ceaseless research of the modern pharmaceutical industry for new and better methods to bring within the reach of all, at minimum cost, drugs which relieve suffering, restore health and prolong life. (Jr. High thru Adult)

SAFE DRIVING: FUNDAMENTAL SKILLS (CORONET)

10 minutes—sound $2.00 2

Preliminary to Tom's driver's license examination, his father demonstrates the skillful procedures of: getting the car ready, starting the motor, driving forward, stopping, backing, turning, signaling and parking. Later, Tom passes his test for his driver's license and is ready to do his share of driving on their coming vacation. (Jr. and Sr. High)

Unit Value

SAFE DRIVING AT SCHOOL (CORONET)

10 minutes—sound $2.00 2
Ted and Ruth were elected to the Junior Safety Council. We go with them on an informative "Safety Tour" to see the safety features of their school and to learn what students can do at school to live safely. By emphasizing courtesy, good housekeeping, skillful and correct actions, this film clearly shows the proper concept that make *Safe Living at School* a secure reality. (Elementary)

SAFE LIVING IN YOUR COMMUNITY (CORONET)

10 minutes—sound $2.00 2
How school children can work together to lessen the accident rate of a community is presented by following three guideposts: good housekeeping, good citizenship and good safety. This motion picture shows how students can work through the school and community safety council to form an effective safety program. (Elementary)

SAFE USE OF TOOLS (CORONET)

6 minutes—sound $2.00 2
Children need their own tools, and must learn how to use them. Shows proper methods of using scissors, knives, hammers, saws, and other small tools and the care of them. (Primary)

SAFETY IN THE HOME (EBF)

11 minutes—sound $2.00 2
Designed to awaken interest in the need for safe homes. First the film tells of the frequency of home accidents and of the number of persons thus injured each year. Then one family's campaign to eliminate accidents in their home is shown in detail. Many safety devices, including those for the garage, workshop, stairs, playroom, bedroom, and kitchen are included. (Elementary and Jr. High)

SAFETY ON THE SCHOOL BUS (YA)

10 minutes—sound $2.00 2
Designed to promote greater safety on the part of those who ride the school bus. Demonstrates safe practices for all school bus riders, both on and off the bus, with emphasis on safe conduct on the bus. (Elementary and Jr. High)

SAFETY ON THE STREET (EBF)

10 minutes—sound $2.00 2
Designed to encourage important habits of safety on the way to and from school, this film employs the activities of a school patrol to illustrate street safety precautions. It points up such aspects of street safety as the correct way to cross streets, safe and unsafe crossings, and shows how policemen, patrol members, traffic lights, and stop-signs aid the pedestrian as well as the motorist. (Primary and Elementary)

SAFETY TO AND FROM SCHOOL (YA)

10 minutes—sound $2.00 2
Safety is introduced as an adventure by dramatizing the natural experiences of a boy and girl to and from school. Develops

Unit Value

practices of street crossing techniques by having class practice. Emphasizes value of safety patrol and helpfulness of police. Teaches how, when and where to cross the street. (Primary through Jr. High)

SAILING A TOY BOAT (EBF)

7 minutes—sound—color $2.00 2
Frank is thrilled over the bright new toy sailboat his father has given him. He learns how to set the rudder, so that his boat will come back to him when it sails far out on the pond. Jean's doll is the boat's passenger. When the waves wash her overboard, it is brave Penny who swims to Dolly's rescue and brings her safely back to Jean. (Primary-Elementary)

SAILING NEWFOUNDLAND WATERS (CTF)

13 minutes—sound—color $1.50 1.5
A two months' cruise in a sailing ship around the Newfoundland coast. Five men set out from St. John's Harbor in their 47-foot ketch "The Seacrest," to circle the island. (Jr. Hgih thru Adult)

SALMON—CATCH TO CAN (USDI)

14 minutes—sound—color $1.50 1.5
This film was filmed primarily in Alaska. Among other scenes portrayed are the fish ladders at Bonneville Dam on the picturesque Columbia River. The picture shows the life history of the salmon; the three most prominent methods of harvest—purse seining, gillnetting and trolling; fishery management programs to assure a continuing resource and a glimpse of the canning process.

SALMON FOR JUNIOR (CTF)

13 minutes—sound—color $1.50 1.5
This film shows fishing for salmon in the Gander River, not far from Gander International Airport, in Newfoundland. (Jr. High thru Adult)

SANTA AND THE FAIRY SNOW QUEEN (EBF)

26 minutes $5.00 5
The Fairy Snow Queen gives life to Santa's dolls on Christmas eve. Jack-in-the-Box, Toy Soldier, Musical Doll, and other dolls dance and sing for Santa to the music of Tschaikowsky's *Nutcracker Suite* and *The Sleeping Beauty.* Snoopy the Brownie tells us that he visits toys every night to see if they're being well treated by the child owners. (Primary, Middle)

SAVE THE SOIL (USDA)

10 minutes—sound $1.50 1.5
A general discussion of the problem of soil conservation. Shows the part that soil has played in history. (Sr. High through Adult)

SAVE THOSE TEETH (EBF)

10 minutes—sound $2.00 2
Emphasizes the importance of proper cleansing in the care of teeth, and illustrates how the teeth are affected by excessive use of refined sugar. Identifies the kind of bacteria that change sugar to acid in the mouth. Demonstrates the use of sodium

Unit Value

fluoride solution in the prevention of tooth decay and prescribes specific rules to be followed in the care of teeth. (Elementary through Adult)

SCANDINAVIAN LANDS: NORWAY, SWEDEN, DENMARK (CORONET)

10 minutes—sound—color $4.00 4
An introduction to the geography, the people, and the life of the three Scandinavian countries—Norway, Sweden and Denmark. This film promotes an understanding of how the peoples of each country have utilized the resources of mountain, plain and sea in the development of agriculture, industry, trade and recreation, resulting in one of the highest standards of living on the European continent. (Intermediate, Jr. High)

SCHOOL, THE (UWF)

16 minutes—sound $3.00 3
Boys arrive at the synagogue. The Shema is recited, verses learned from the Torah, and reading taught from cards. At home the mother teaches the daughters, and in the evening the father reads to the family once more. (Jr. High thru Adult)

SCHOOL ACTIVITIES AND YOU (CORONET)

10 minutes—sound $2.00 2
A high school girl is planning her school activity program. Through the advice of her older brother, she learns the importance of choosing activities for their values by considering what she can learn, what her interests are, how much time she can give, and how to arrange a well-balanced program. (Jr. and Sr. High)

SCHOOL AND COMMUNITY (McGRAW-HILL)

27 minutes—sound $4.00 4
Shows how communities can give students vocational training. (Sr. High through Adult)

SCHOOL LIBRARIES IN ACTION (NCDPI)

18 minutes—sound—color $5.00 5
This film photographed in North Carolina Schools interprets the school library's services to pupils and teachers, grades 1-12. Five major areas of the school library program are illustrated: Planning for library use; Guiding pupils' reading; Teaching library skills; Supplying instructional materials; Guiding reference work.

SCHOOL THAT LEARNED TO EAT (GEN. MILLS)

22 minutes—sound—color $3.00 3
How a Southern school developed a better school lunch program. Teachers discuss problems at a faculty meeting with state nutritionists. Community meeting of parents and teachers plan survey of nutritional habits of children. Plans are made, whole community works in fund-raising, parents help re-build lunchroom, children share in planning work. (Jr. High through Adult)

Unit Value

SCHOOLS, SATELLITES, AND SURVIVAL (NEA)

28 minutes $1.50 1.5
The American Educational System faces up to the challenge of survival as a free nation. This film is a documentary study of development of American Education since 1900. Some of the highlights of the film is a visit to an eighth-grade Science class, plus interviews with several notable Americans.

SCHWEINFURT (McGRAW-HILL)

28 minutes $6.00 6
A picture of the massive air raid staged by American B-17 bombers against the German ball bearing industry that ended in one of the great defeats the U. S. Air Force suffered over Germany during World War II.

SCIENCE AND AGRICULTURE (EBF)

11 minutes—sound ..... $2.00 2.
Reveals the interdependence of science and agriculture in our modern life. Traces the soybean from its cultivation in China through its culture and use in the United States. Describes the plant's characteristics and its value to soil conservation. Reproduced conversations treat problems of its cultivation and harvest. Process of extracting soybean oil and preparation and use of soybean by-products in home and industry are shown. (Elementary through Adult)

SCIENCE AND SUPERSTITION (CORONET)

11 minutes—sound ..... $2.00 2.
This film reflects a changing point of view in the philosophy of science education—it is intended to teach pupils how to use the scientific method in thinking. It is shown that the superstitions about the groundhog, the rabbit's foot, etc., are all inaccurate. (Elementary and Jr. High)

THE SCIENCE OF GENETICS

28 minutes—sound—color $5.00 5
Guest lecturer—Dr. Curt Stern, University of California. Defines the scope of genetics and explores reasons for studying it. Illustrates the smallness of the "hereditary bridge" and points out DNA as container of the hereditary code.

SCIENCE OF SOAP (EBF)

11 minutes—sound ..... $2.00 2.
A simple laboratory demonstration first illustrates how lye and fat are combined to make soap, and animated drawings clearly explain the chemical action (saponification) which takes place when the mixing occurs. Other drawings describe the cleansing action of soap. (High School) (Chemistry)

SCIENTIFIC METHOD (EBF)

11 minutes—sound ..... $2.00 2.
Explains the elements of the scientific method, demonstrates the way this method of problem solving is applied by scientists and discusses the value of scientific thinking in dealing with problems of everyday life. The film features one of the most dramatic stories of modern science—the discovery of penicillin by Sir

Unit Value

Alexander Fleming. It draws likewise, on the work of Louis Pasteur in illustration of the contributions of scientific thinking to modern knowledge. (High School and Adult) (Physical Science)

SEA ADVENTURES OF SANDY THE SNAIL (EBF)

16 minutes $3.00 3

Betty Ohlrogge, accomplished artist and teacher, narrates the story while she creates, through the medium of finger paints, the beautiful world of the ocean floor as it might appear to a tiny snail, transported from a small aquarium to the great Pacific Ocean. During his journey, a puffer, a pair of sharks, an abalone, and a sea horse. (Primary, Middle)

SEARCH FOR SECURITY (ILI)

17 minutes—sound $1.50 1.5

Describes the creation of an organization known as the Presbyterian Ministers' Fund in Philadelphia in 1759, the first life insurance company in America (Jr., Sr. High, Col., Adult)

SEASHORE LIFE (EBF)

10 minutes—sound—color $4.00 4

Provides an experience in ecology through a portrayal of life on the three important kinds of seashores—the sandy beach, the rock pool, and the mud flat. Shows ways in which representative seashore animals are adapted to survive in their special environments and how they feed, move and compete with other kinds of animal life with which they come in contact. (Primary and Elementary)

SEASONAL CHANGES IN TREES (CORONET)

10 minutes—sound—color $4.00 4

Compressed into a few minutes of film time and brought conveniently into your classroom, this picture presents the seasonal story of the changes in trees. It is an excellent introduction to scientific study of trees. (Elementary)

SECRETARY'S DAY (CORONET)

10 minutes—sound $2.00 2

In a secretary's day, she assumes many responsibilities . . . taking dictation, transcribing, making appointments, receiving callers, planning an employer's itinerary and securing his reservations. Here we see her demonstrating the specific office techniques, beyond a knowledge of typing and shorthand, that distinguish her from a stenographer and make her indispensable to her employer. (Sr. High)

SECRET MESSAGE THAT PLUNGED AMERICA INTO WORLD WAR I, THE (YA)

27½ minutes—sound $4.00 4

On March 1, 1917, American newspapers reported the intercepted telegram from the German Foreign Minister to the German Ambassador to Mexico, which stated Germany's decision to begin unrestricted submarine warfare and proposed a German-Mexican alliance should the U. S. enter the war. Mexico was promised the chance to reconquer Texas, New Mexico, and Arizona. Washington statesmen are interviewed, and opinion is divided. The tele-

Unit Value

gram unified public sentiment, however, against the Central Powers. (Junior High through Adult)

SECRETS OF THE ICE (McGRAW-HILL)

27 minutes—sound—color $5.00 5
In this motion picture on glaciology, the viewer accompanies the scientist on expeditions to areas ranging from Alaska to Antarctica to learn how glaciologists study the ice found on earth and how the information thus gained affords an increased comprehension of man's past and future.

SECTION 16 (NCEA)

13½ minutes—sound $1.50 1.5
The nation's long and often disappointing quest for satisfactory schools is traced with bold strokes in the historic film, *Section 16.* Authentic settings and costumes recapture the spirit of colonial America and of the periods of pioneering and expansion through which we have passed. Out of this background today's major problems in education are brought into focus, especially the current shortages of classrooms and teachers. Solution of these problems in the traditional American way, through citizen interest, concern, and intelligent action, is identified as the unfinished business of this generation.

SECURE THE BLESSINGS (NCEA)

30 minutes—sound $1.50 1.5
Dramatizes the role of the public school in a democracy. Five main characters, a farmer, businessman, labor leader, housewife and Congressman are faced with everyday problems. How they solve these problems is to a great extent, determined by the kind of education they have received in our public schools. The film points out that one of the best places to learn to respect the rights and understand the problems of others is in a public school. Recommended for PTA Groups.

SEE BETTER: HEALTHY EYES (CORONET)

10 minutes—sound $2.00 2
How can we take care of our eyes? Why should we take care of them? In answering these two basic questions, this film explains the general structure of the eyes, the important health and safety practice relating to eye care and the common ways to treat disorders of vision. The film has been viewed and approved by representatives of various professional groups interested in eye care and eye treatment. (Elementary)

SEE HOW THEY LEARN (NCEA)

28 minutes—sound $1.50 1.5
An explanation of how today's children are learning the three R's and how today's teachers meet the challenge of teaching them.

SEED DISPERSAL (EBF)

10 minutes—sound $2.00 2
The film presents many interesting ways by which seeds of plants are scattered in order to insure the propagation of the species. The methods illustrated include dispersal by the wind, transportation by animals, and forceful propulsion from the seed-

Unit Value

case. The dramatic value of these examples is increased by the use of time-lapse photography. Attention is given to the germination of seeds under various conditions. The struggle for survival in the plant world is vividly portrayed. (Jr. High through College)

SEEDS OF DESTINY (FON)

18 minutes—sound $2.00 2
Gives the grim and tragic story of hunger and destitution which follows war. The first half of the film shows both physical and human devastation left by the war while the second half shows cooperation by national governments and by specialists of different nationalities in setting up and realizing the human objectives of UNRRA. The slight cost of rehabilitation program as compared to sums devoted to planned destruction is emphasized. Presentation is in terms of suffering children and final plea is for saving of a generation which, having known only war and devastation, must be shown the advantages of a peaceful world. (Sr. High through Adult)

SEEDS OF DESTRUCTION (Living Earth Series) (EBF)

10 minutes—sound—color $4.00 4
Reveals the alarming extent to which man is depleting the soil and forest resources upon which his very survival depends. Recalls the wealth of America's original resources and contrasts this with the tragic waste from devastating forest fires, floods, and overworked land. Recommends effective conservation measures, but reminds us that little time remains for putting them into practice. (Jr. High through Adult)

SELECTION, GENETIC DEATH & GENETIC RADIATION DAMAGE

30 minutes—sound $5.00 5
Lecture by Dr. Th. Dobzhansky. (College)

SELF-CONSCIOUS GUY (CORONET)

11 minutes—sound $2.00 2
Marty suddenly becomes keenly aware of his feelings of self-consciousness. As he tries to find ways to avoid these feelings, he discovers others have been extremely self-conscious yet have developed poise and self-assurance. He finds help for his own problem through developing skills, thinking of other persons, and getting his attention on the whole situation. (Jr. & Sr. High)

SENDING RADIO MESSAGES (EBF)

10 minutes—sound $2.00 2
Animated drawings clarify the basic principles of radio transmission. The operation of the following units is graphically explained: the microphone, the transformer and the modulator. Fundamental concepts are explained, as for example: sound waves, direct currents, alternating currents, voice current, carrier wave, and amplification. Photographic scenes are used to reveal the importance of radio and to illustrate operating units in a modern transmission station. (Jr. High through Adult)

SENTENCES: SIMPLE, COMPOUND, COMPLEX (CORONET)

11 minutes—sound—color $4.00 4
Collaborator: John R. Searles, Ph.D., Professor of Education and

Unit Value

English, University of Wisconsin. Accurate usage and understanding of each type of sentence—simple, compound, complex—lead to variety and exactness of expression. By animation devices and live action scenes, the film demonstrates the building of sentences through the use of independent and dependent clauses.

SENTENCE AND SOLUTION SETS (McGRAW-HILL)

21 minutes $4.00 4

Through actual classroom scenes, a ninth grade algebra teacher is shown teaching the concept of *set*. Dr. Meder explains and illustrates with the classroom scenes the way to introduce sets, variables and open sentences to students. He gives examples that show how the concept of set makes the teaching of inequalities, as well as equations, simpler and clearer. With a solid understanding of these basic concepts, even the average student will progress more rapidly and with greater success than ever before.

SENTENCES THAT ASK AND TELL (CORONET)

11 minutes—sound—color $4.00 4

Collaborator: Harold G. Shane, Ph.D., Dean, School of Education, Indiana University. Using colorful illustrations and a technique in which children themselves handle words and phrases to build sentences, this film clearly demonstrates (1) that a sentence is a complete thought; (2) the difference between asking and telling sentences; and (3) how punctuation and capitalization are used.

SERIES AND PARALLEL CIRCUITS (EBF)

11 minutes—sound $2.00 2

Planned as a sequel to "Elements of Electrical Circuits." Takes up first, the relationship between resistance, current, and voltage in series circuits and then in parallel circuits. Type problems are presented by demonstration, with explanations in animation. The practical advantages and disadvantages of each circuit is illustrated and clarified with common examples. A simple series-parallel combination is described and explained. (Sr. High and College)

SETS, NUMBERS, AND NUMERALS (SRA)

29 minutes—sound—color $5.00 5

Introduces sets as a basis of arithmetic, discussing such topics as equivalent, equal, and disjoint sets; subjects; the empty set; cardinal number of a set; and numerals as a symbol for a number.

SEWING: ADVANCED SEAMS (YA)

10 minutes—sound $2.00 2

Demonstrates and explains the procedures for making the following advanced seams: french seam, flat fell seam, the tuck, and the welt seam. (Jr. and Sr. High)

SEWING: FITTING A PATTERN (YA)

10 minutes—sound $2.00 2

Shows how to adjust a standard dress pattern to the requirements of the individual figure. (Jr. and Sr. High)

Unit Value

SEWING: FUNDAMENTALS (YA)

10 minutes—sound $2.00 2
Demonstrates and explains the function and use of some of the basic tools used in sewing: thimbles, pins, needles, threads, tape measures, measuring gauge, tailor's chalk, scissors, shears, pressing cloths, and the sewing machine. (Jr. and Sr. High)

SEWING: HANDLING MATERIALS (YA)

10 minutes—sound $2.00 2
Discusses generally the characteristics and handling of cotton, woolen and synthetic fabrics as they relate to dressmaking. Specifically the film explains how the selection of a fabric is based on the pattern to be used, the purpose of the garment, and the ability of the seamstress. (Jr. and Sr. High)

SEWING: PATTERN INTERPRETATION (YA)

10 minutes—sound $2.00 2
Discusses the problems of interpreting the markings and instructions used in such dressmaking patterns as those offered by McCall, Simplicity, Butterick and Vogue. (Jr. and Sr. High)

SEWING: SIMPLE SEAMS (YA)

10 minutes—sound $2.00 2
Explain and demonstrates how to make six types of simple seams: plain seam, edges pinked; plain seam, edges overcast; plain seam, edges stitched; plain seam, edges bound; plain seam, catch-stitched; and plain seam, top-stitched. (Jr. and Sr. High)

SEWING: SLIDE FASTENERS (YA)

10 minutes—sound $2.00 2
Shows the step-by-step process of fitting a slide fastener in a blouse, a skirt and a dress. (Jr. and Sr. High)

SEX DETERMINATION I

30 minutes—sound $5.00 5
Lecture by Dr. C. Stern. (College)

SEX DETERMINATION II

30 minutes—sound $5.00 5
Lecture by Dr. C. Stern. (College)

SEX-LINKED INHERITANCE

30 minutes—sound $5.00 5
Lecture by Dr. C. Stern. (College)

THE SHAPE OF THE EARTH (McGRAW-HILL)

27 minutes—sound—color $5.00 5
Through the use of early iconography and old maps, animation and live photography, the film follows the development of geodetic ideas from pre-scientific guesses to present-day research into the dimension and motion of our planet.

SHARING ECONOMIC RISKS (CORONET)

11 minutes—sound $2.00 2
Bill, a high school boy, loses his bike through theft. The loss

Unit Value

illustrates the economic risk which all people face, and ensuing action illustrates aspects of property and life insurance, and the principle of sharing economic risks. Effective film for use in social studies and business education. (Jr. and Sr. High)

SHARING WORK AT HOME (CORONET)

10 minutes—sound $2.00 2
This film shows the importance of cooperation to happy family life. It is a picture for home economics, language arts, social studies, and all other classes in which family relationships are studied. Your classes will not only enjoy the picture but they will learn how to take one of the big steps toward improved family living. (Jr. and Sr. High)

SHEP, THE FARM DOG (EBF)

11 minutes—sound $2.00 2
Follows an attractive collie dog during his busy day about the farm. After herding the cows to pasture and routing the chickens from the garden, Shep is rewarded with a good breakfast. Later, Shep pursues a woodchuck to his hole and, after fruitless digging, rejoins Tommy, his young master, for hike and swim during which he retrieves sticks and assists Tommy in swimming to shore. (Elementary through Sr. High)

SHOOTING IN BASKETBALL (EBF)

10 minutes—sound $2.00 2
Wilbur Johns, Basketball Coach, U.C.L.A., gives the fundamentals of shooting, concentrating on the set-shot, stance, the action of the throw, aim, trajectory, and fingertip control are demonstrated, with special attention given to the fine coordination of all parts of the body required for accurate shooting, especially the inward rotation of hand and arm in making the throw. (Jr. High through Adult)

SHORT CUTS (Ind. U.)

27 minutes—sound $5.00 5
Explains and demonstrates logarithms, the slide rule, and other methods for simplifying computation. Explains the development and application of logarithms. Shows how a log table is constructed and used. Relates this to a model of a slide rule and demonstrates its operation and uses. (College and Adult)

SHORELINES FOR PROGRESS (TVA)

25 minutes—sound—color $1.50 1.5
Describes how the 10,000 miles of shorelines around TVA lakes are being developed for industry and recreation. Shows many of the large private industrial plants that have already been established in the Tennessee Valley. (Jr. High thru Adult)

SHORT TIME INTERVALS (PSSC)

22 minutes—sound $5.00 5
A study of the extension of the senses to deal with very short time intervals. As an example, special techniques reveal complexities in a flash of lightning which are not ordinarily perceptible to the eye. Timing devices shown include moving cameras, pen recorders and the oscilloscope, with an explanation of its use in these measurements. (Sr. High)

Unit Value

SHOULD I KNOW MY CHILD'S IQ? (NCEA)

28 minutes—sound $1.50 1.5
This film shows parents and teachers as they join forces to try to solve difficulties of today's schools in giving out information about a child's IQ.

SHRIMP PLEASE (USF&W)

20 minutes—sound—color $1.50 1.5
Shows the methods used by the Louisiana and Mississippi shrimp industry to make shrimp available for tables all over the United States. Includes blessing of the fleet; catching and exploratory fishing for shrimp; shrimp processing, including freezing, breading, drying, and canning. Contains information on how to purchase, prepare and serve shrimp. (Elementary through Adult)

SHRIMP TIPS FROM NEW ORLEANS (Fish & Wildlife)

14 minutes—sound—color $1.50 1.5
Shrimp Tips contains recipes that are both old and new, well-loved and time-tested ways of preparing shrimp that are rooted in the methods of cuisine artists of another era, and new ideas that stand up well against the rigid rules of what is good—a la Creole—today.

SHY GUY (CORONET)

12 minutes—sound $2.00 2
Helps adjust the shy adolescent as he witnesses the screen "shy guy's" start to improved social relation through those principles of friendly association demonstrated by his better adjusted fellow students. (Jr. High through Adult)

SIGNING OF THE DECLARATION OF INDEPENDENCE, THE (YA)

27 minutes—sound $4.00 4
July 4, 1776, the signing of the Declaration of Independence at Philadelphia. The personalities and the event which form a part of the heritage of every American. (Junior High through Adult)

SILENT NIGHT: STORY OF THE CHRISTMAS CAROL

13½ minutes—sound $3.00 3
Filmed in Austria, this film presents the history of the most inspiring of all Christmas carols. We see how a poem on the beauty of the Christmas season was later set to music, and how it traveled from the small, remote villages of the Alps, all over the world to become a universal symbol of the Christmas spirit. (All Grade Levels)

SIMPLE MACHINES (EBF)

11 minutes—sound $2.00 2
Shows basic features of the lever, the inclined plane, the wedge, the pulley, and the screw. Applications of these devices to modern complex machines are demonstrated. The evolution of the machine and its part in contemporary civilization is indicated. (Jr. High through Adult)

Unit Value

SIMPLE STUNTS (CORONET)

10 minutes—sound $2.00 2
Providing instruction in healthful and interesting group activities that require little equipment, this film gives a detailed explanation and illustration of simple stunts for strength, stunts for skill and stunts with sticks. Safety precautions are emphasized throughout the film as the techniques and benefits of entertaining variations on simple stunts are demonstrated. The film imparts finesse and confidence for easy performance. (Jr. and Sr. High)

SIMPLE WAVES (PSSC)

27 minutes—sound $5.00 5
Pulse propagation on ropes and slinkies shows elementary characteristics of waves such as different speeds in different media. A torsion bar wave-machine is then used to repeat these experiments to demonstrate reflection and other phenomena. (Sr. High)

SINGING ON THE MOUNTAIN (HUGH MORTON)

12 minutes $1.50 1.5
This film is a photographic record of the Annual Singing on the Mountain. This annual gathering of thousands of mountain folk is one of the largest community song festivals in America in a setting of incomparable scenic beauty.

SIR FRANCIS DRAKE (THE RISE OF ENGLISH SEA POWER) (EBF)

30 minutes $5.00 5
With rich, authentic settings and a superb English cast, the film re-creates the most important episodes in Drake's life—shows how he won England the right of way into a new continent; captured a vast treasure of gold, silver, and precious stones for his Queen; terrorized the Spanish navy, and persuaded the people of England to "look to the sea for their strength." (Middle, Jr. High, Sr. High, Adult)

SIXTH CHAIR (NCEA)

20 minutes—sound $1.50 1.5
A dramatic portrayal of the dangers of the public's complacency toward education, The Sixth Chair stresses the need for building construction and modernization, more teachers, and plenty of up-to-date education tools. A successor to *Pop Rings The Bell,* this film is excellent for PTA and community groups.

SKIPPY AND THE THREE R'S (NCEA)

29 minutes—sound $1.50 1.5
This is a film that every teacher will want to show to the parents of the children in her classroom. It is a detailed and accurate account of how children learn the 3 R's. But more important, it shows that children learn the basic tools naturally and easily. It shows that the 3 R's are tools to help children understand and work and live "satisfyingly" in the world about them.

SKIPPER LEARNS A LESSON (EBF)

10 minutes $2.00 2
A little girl and her dog, Skipper, move to a neighborhood where youngsters of different races play together. Skipper snubs the

Unit Value

dogs belonging to these youngsters. Later, through an embarrassing episode Skipper realizes his mistake, and understanding is established among all. A simple and delightful story on intercultural understanding. (Primary)

SLEEP FOR HEALTH (EBF)

10 minutes—sound $2.00 2
Presents the importance of regular sleeping habits from the viewpoint of a child. Shows the child how a regular bedtime which allows for sufficient sleep helps him attain goals which he himself desires. Emphasizes the child's own responsibility in the formation of good habits. Considers dreaming as a normal part of sleeping. Graphically illustrates how lack of sleep causes irritability and interferes with the enjoyment of everyday living. (Primary and Elementary)

SLIME MOLDS I: LIFE CYCLE (State Univ. of Iowa)

25 minutes—sound—color $7.00 7
The fascinating and complex life cycle of one Myxomycete is revealed in detail by a combination of high and low magnification, phase contrast, dark field, bright field, normal speed, and time-lapse cinephotomicrography. Animation is used to point out details, such as mitosis. Similarities and differences in the life cycle of different species are indicated. (College)

SLIME MOLDS II: COLLECTION, CULTIVATION, AND USE (State Univ. of Iowa)

19 minutes—sound—color $6.00 6
The techniques involved in collection, cultivation and use of the Myxomycetes are presented by taking the viewer into the field and laboratory. A few selected studies on slime molds are reviewed through animation. Some classroom demonstrations shown. (College)

SLIME MOLDS III: IDENTIFICATION (State Univ. of Iowa)

22 minutes, sound, color $7.00 7
The use of a key is illustrated by comparing a modified portion of Prof. G. W. Martin's key to a road map. Each road is followed until the main families of Myxomycetes are identified. Representative genera and species are shown through a variety of photographic techniques. Animation is used to show the parts of fruiting bodies used in identification of the slime molds. (College)

SLOVAKIA—Farms and Towns of Slovakia (UWF)

20 minutes—sound $4.00 4
Here we study people who, living within a mountainous land relatively remote from the highways of communications, have maintained conservative traditions. These Slavic families are seen living in a wooded mountainous land. Isolated from the main currents of Central European life, their standard of farming and industrial practices are relatively poor. However, we see that where highways are being developed, and isolation is breaking down, changes are taking place in the traditional ways of life of these Slavic peasants. (Jr. High through Adult)

Unit Value

SNAKES (CORONET)

10 minutes—sound—color $4.00 4
Overcoming the idea that all snakes are dangerous, this film distingunshes the four poisonous snakes found in this country from those that are harmless. It is a specific warning against the poisonous varieties while encouraging the study and observation of harmless snakes. It develops the life habits and adaptations of representative examples showing their equipment for locomotion, sensation, nutrition and self-protection. (Jr. and Sr. High)

SNAP OUT OF IT (CORONET)

15 minutes—sound $3.00 3
A high school boy has worked hard for an "A" but gets only a "B" in history. His emotional upset at the disappointment brings him to the attention of the school principal. Under the principal's guidance the boy finds how to set his expectations realistically to avoid disappointments. He learns to use the emotional drives of unavoidable disappointment for a positive attack on problems. (Jr. and Sr. High)

SNAPPING TURTLE (EBF)

11 minutes—sound $2.00 2
The life story of an interesting reptile in its natural habitat. Unusual photographic studies permit observation of the snapping turtle's detailed features, habits, and its encounters with other animal life. The laying of the eggs and the hatching are two outstanding episodes. A painted turtle is introduced for purposes of comparison. The winter hibernation concludes the presentation. (Elementary through Sr. High)

SOCCER FOR GIRLS (CORONET)

10 minutes—sound $2.00 2
Today soccer is gaining in popularity as a women's recreational activity. In this action-packed film, skilled players demonstrate the various traps, dribbles and passes of the game. Their application to playing situation is shown; close-ups and slow-motion bring out the details of technique while an exciting action sequence at the close reviews the points of play presented. (Jr. and Sr. High)

SOCIAL COURTESY (CORONET)

10 minutes—sound $2.00 2
Why do some people seem to enjoy social gatherings, while others would rather stay at home? Often it's because these people simply don't know how to get along with others. Here is a motion picture which shows that getting along in social groups merely requires a natural, easy form of behavior that makes use of courtesy. Students will see how to improve social manners, how to appreciate the difference between formal and informal events and how to learn the "right thing to do." (Jr. and Sr. High)

SOCIAL DANCING (CORONET)

10 minutes—sound $2.00 2
Here are the two basic fox trot and waltz steps, with three simple variations to send even the beginner off to a dancing start. Both

Unit Value

the boy's and girl's parts are shown in close view, and each step and variation is clearly explained with diagrammatic effects. Here is the key to dancing with ease and assurance. (Jr. and Sr. High)

SOCIAL DEVELOPMENT (McGRAW-HILL)

16 minutes $3.00 3
This is an analysis of social behavior at various age levels, showing how behavior patterns change as a child grows. The film shows how understanding parents can make inevitable social adjustments much easier and smoother. (College, Adult)

SOFTBALL FOR BOYS (CORONET)

10 minutes—sound $2.00 2
Slow-motion photography is used to analyze the individual player skills, and the necessary principles of team play are dramatized in actual game situations. The film also discusses and puts emphasis on pitching techniques. (Jr. and Sr. High)

SOFTBALL FOR GIRLS (CORONET)

10 minutes—sound $2.00 2
This film studies the fundamental softball skills of throwing, catching, batting and fielding as they are demonstrated during the exciting last inning of a girls' intramural game. Each player's individual skill and coordinated team play is pointed out to show students how the fun of this good sport is heightened by intelligent practice. (Jr. Sr. High)

SOFTBALL FUNDAMENTALS (YA)

10 minutes—sound $2.00 2
A demonstration film designed to teach the individual techniques of play involved in softball, using junior high school girls as the players. The film illustrates the techniques of batting, throwing, pitching, running bases, and fielding. (Elementary and Jr. High)

SOLAR FAMILY, THE (EBF)

10 minutes—sound $2.00 2
The evolution of the solar system is revealed according to the planetesimal hypothesis. This is followed by a portrayal of the real and apparent motion of the planets. Among the special phenomena presented are: the phases of Venus; retrograde motion of Mars, Jupiter and its satellites; the apparent motion of Saturn's rings; orbits of the planetoids, Eros and Anteros; orbit of Halley's comet; and the motion of the solar system in space. (Jr. High through College)

SOLAR SYSTEM (CORONET)

10 minutes—sound $2.00 2
Names of the planets, their relative sizes, distances from the sun and the forces at work in the solar system are presented with imagination. An actual scale model of the solar system is set up to visualize dramatically the immensity of distances between the respective planets and the sun. The relationship of the planets to each other; their orbits, differences between planets and stars; and important highlights about gravitational at-

Unit Value

traction, light and heat are other important teaching points covered. (Jr. High)

SOLIDS, LIQUIDS & GASES (YA)

10 minutes—sound $2.00 2
This film is an introduction to the three states of matter. It defines a liquid, a solid, and a gas, and demonstrates how a substance can be changed from one state to another, depending on how hot or cold it is. Explains everyday applications of these concepts. (Jr. High)

SOUND AND THE STORY (RCA)

26 minutes—sound—color $1.50 1.5
Demonstrates the actual production of a high-fidelity record. The Boston Symphony orchestra, directed by Charles Munch, is shown recording Tchaikovsky's Romeo and Juliet. (Junior, Senior, College, Adult)

SOUND RECORDING AND REPRODUCTION (EBF)

10 minutes—sound $2.00 2
Describes how sound is converted into light rays to produce sound motion pictures, and how the projector is able to change the light rays back into sound waves. We learn from the film how the two great systems operate, sound recording by variable area and sound recording by variable density. (Sr. High through Adult)

SOUND WAVES AND THEIR SOURCES (EBF)

10 minutes—sound $2.00 2
Demonstrates and explains the three types of sound sources, including the vocal organs. The transmission of sound waves through the air is visualized. Such characteristics of sound waves, as frequency, amplitude, wave length, fundamentals, and harmonics, are explained with acoustic accomplishment. The high-speed camera and an oscilloscope help to clarify the phenomena portrayed. (Jr. High through Adult)

SOUND WAVES IN THE AIR (PSSC)

35 minutes—sound $5.00 5
The wave characteristics of sound transmission are investigated with large scale equipment using frequencies up to 5000 cycles. Experiments in reflection, diffraction, interference and refraction are supplemented with ripple-tank analogies. Interference is shown in both the pattern of standing waves and in a pattern reflected from a grating. A gas filled lens is used to refract sound. (Sr. High)

THE SOUNDS OF LANGUAGE (TFC)

32 minutes—sound $6.00 6
Each language has its own sound system which consists of its characteristic intonation patterns, rhythms, stresses and individual sounds. A problem in learning a second language is the tendency of the learner to carry over sound patterns of his own speech to the new language. A class in Spanish for English speakers demonstrates the modern approach to teaching the important sound features of a second language.

Unit Value

SOUNDS OF MUSIC (CORONET)

10 minutes—sound $2.00 2
This film presents the characteristics of musical sound. Our youngsters meet the genial proprietor of their local music store who demonstrates the principles of amplitude, quality and frequency with the sounds and grooves of a phonograph record. Then, on a tour of his shop, we see and hear string, wind and percussion instruments and derive a greater appreciation of their melodies. (Jr. and Sr. High)

SOUTH AFRICA (MOT)

11 minutes—sound $2.00 2
Long known throughout the world for its fabulous wealth in gold and diamonds, its Zulus proud of their tribal glory, and its Boers and Britona, its rugged and challenging topography (all of which the film depicts), South Africa only recently emerged as a potential industrial power among nations. South Africa has a key position at the junction of the Atlantic and Indian oceans; it is ready to meet its post-war problems. (Jr. High through Adult)

SOUTH AFRICA—Riches of the Veldt (UWF)

20 minutes—sound $4.00 4
When you meet a typical family in the city of Johannesburg and see their way of life and surroundings, you can imagine yourself in an American city. When you participate in the vacation jaunt of two children in this family beginning with a day in the city and moving on the mining and industrial areas, you are in contact with South Africans; you hear their comments in English and Africans; you see how they work and live and you absorb a wealth of human geography. GEOGRAPHIC CONCERT. A fertile land, with Mediterranean climate plus great mineral wealth, nurtures a vigorous economy. (Elementary through Adult)

SOUTH AMERICA (IFF)

27 minutes—sound—color $7.00 7
"Stimulating interpretation of a continent in the midst of a most dramatic revolution . . ." (Jr. High through Adult)

SOUTHEAST USA—The Changing Cotton Land (UWF)

20 minutes—sound $4.00 4
This film lesson shows that the Southern United States is an area with many natural resources. We learn that the possibilities for agricultural and industrial production are tremendous. However, much land has been destroyed through wasteful farming practices. Through the untiring efforts of the County Agents the education of the younger generation of farmers, and adherence to the tenets of the Conservation Policy, the people of the Southeast are shown rebuilding the land.

SOUTHEASTERN STATES (EBF)

10 minutes—sound $2.00 2
Delineates the variety of living patterns in Arkansas, Louisiana, Mississippi, Alabama, Florida, Georgia, South Carolina, North Carolina, Virginia, Kentucky, and Tennessee, with a brief historical introduction. Stately plantation homes, mountaineer cab-

Unit Value

ins, modern homes in southern cities, rolling blue grass country, orchards, cotton and tobacco fields, farm and factories—all woven together to tell the story of the region's twenty-eight million people and how their welfare is bound up with the national economy. (Elementary through Adult)

SOUTHWEST USA—Water for Dry Land (UWF)

20 minutes—sound $4.00 4
This film presents a picturization of the dependence of man upon his supply of water. The living in oasis is contrasted sharply with the barren wastes of surrounding deserts. The transformation of desert lands by man's triumph in controlling the water supply and the tremendous developments possible through abundant hydro-electric resources, is vividly portrayed. (Elementary through Adult)

SOUTHWESTERN STATES (EBF)

10 minutes—sound $2.00 2
Portrays aspects of life in areas of Texas, Oklahoma, New Mexico, and Arizona. Reference is made to the topography, rainfall, and other characteristic features including the imprint of Spanish and Indian cultures. Irrigation, stock raising, mining, agricultural, oil extracting and refining are among the occupational activities shown. The exchange of goods and services with those of other sections of the country is depicted with animated photography. (Elementary through Adult)

SPAIN: THE LAND AND THE PEOPLE (CORONET)

10 minutes—sound $2.00 2
Because of its past prominence in world affairs, because of its literature and music, because of its profound cultural influence in the United States, every student should be familiar with Spain. This film takes them from Madrid in the north to the fertile river valleys in the south. They visit the cities and villages and meet Pedro Ybarra and his family in a stimulating education experience. (Jr. and Sr. High)

SPANISH CHILDREN (EBF)

10 minutes—sound $2.00 2
Provides a delightful visit with a rural family of southern Spain. Depicts a trip by a boy and his father to a city market place; portrays many representative aspects of Spanish life; and lays particular emphasis on the activities of the children of the family. Concludes with scenes of an enjoyable evening at home celebrating the little daughter's birthday. (Primary and Elementary)

SPANISH COLONIAL FAMILY OF THE SOUTHWEST (CORONET)

13½ minutes—sound $3.00 3
We see the typical pattern of life on a hacienda in the Southwest during the early nineteenth century, including a re-creation of the roles of the Southwestern Indians and Catholic missions in this representative Spanish life. (Intermediate, Junior High)

SPANISH CONQUEST OF THE NEW WORLD, THE (CORONET)

10 minutes—color—sound $4.00 4
The names of Cortez, Pizarro, Balboa, DeSoto and other men who won for Spain one of the greatest empires in the world,

Unit Value

take on a new meaning as we see the new lands conquered, cities built, Indian civilizations overthrown and replaced with the culture of Spain. (Intermediate, Junior High, Senior High, College)

SPANISH INFLUENCES IN THE UNITED STATES (CORONET)

11 minutes—sound $2.00 2
This picture of the profound influence Spanish culture has had upon our own shows many common words of Spanish derivation, and a Spanish heritage reflected in religion, architecture, ranching, dress, and landmarks. (Intermediate, Junior High, Senior High)

SPANISH NEWSREEL, VOL. 45, NO. 52

7 minutes—sound $2.00 2
Cuba walkout from the Organization of American States. Left wing organizations riot in Paris. Los Angeles and Idaho floods. New British jet plane. Shakedown cruise of USS Constellation. Herring fishing off Canada's Pacific coast. Los Angeles trade meet. Westminister Kennel Club show at New York's Madison Square Garden.

SPANISH NEWSREEL, VOL. 45, NO. 53

6 minutes—sound $2.00 2
Preparations for John Glenn's orbital flight. Countdown and lift off covered as well as recovery of Glenn and capsule.

SPANISH NEWSREEL, VOL. 45, NO. 54

8 minutes—sound $2.00 2
American Airlines Astrojet crossing. USS Ethan Allen launches second generation Polaris missile. John Glenn welcome as well as awarding of NASA Distinguished Service medal by the President. Glenn addresses joint session of Congress.

SPANISH NEWSREEL, VOL. 45, NO. 57

8 minutes—sound $2.00 2
Pope John XII crests 10 new cardinals. DeGaulle appeal for support of his France-Algerian truce. Dispute along Israel-Syria border. Annual Buddhist fire rites in Northern Japan.

SPARKY, THE COLT (CORONET)

10 minutes—sound $2.00 2
Against familiar background of farm settings, this story provides specific interest value in reading, youthful discussion and writing activities. From the moment your children "discover" Sparky, the wobbly little colt, they'll eagerly follow his adventures as he grows strong, learns to canter across the fields and becomes a strong, beautiful horse. (Primary)

SPEECH: FUNCTION OF GESTURES (YA)

10 minutes—sound $2.00 2
Explains the function of the gesture in public speaking, and points out how your talk can be made more effective by the use of the correct gestures at the correct moment. (Jr. and Sr. High)

Unit Value

SPEECH: PLANNING YOUR TALK (YA)

10 minutes—sound $2.00 2
Explains how to plan and organize your talk beforehand so as to achieve the greatest effectiveness in its presentation. (Jr. and Sr. High)

SPEECH: PLATFORM POSTURE & MOVEMENT (YA)

10 minutes—sound $2.00 2
Deals with the importance of good appearance and proper posture for the public speaker. Each element is treated in detail from the viewpoint of the inexperienced speaker, as the film points out that the audience is impressed by what it sees as well as by what it hears. (Jr. and Sr. High)

SPEECH: STAGE FRIGHT & WHAT TO DO ABOUT IT (YA)

10 minutes—sound $2.00 2
Analyzes the cause of stage fright, and shows the inexperienced public speaker what he can do to overcome it both in the preparation for his talk and during the delivery of his talk. (Jr. and Sr. High)

SPEECH: USING YOUR VOICE (YA)

10 minutes—sound $2.00 2
Explains and demonstrates the importance of good speech habits in everyday situations. Explains that a speaker must be heard, must be understood, and must be pleasant, in order to be effective. Shows that most poor speech is due to the speaker's carelessness. (Jr. and Sr. High)

THE SPEED OF LIGHT (MEASUREMENT AND APPLICATION) (EBF)

14 minutes $3.00 3
Shows how Galileo, Fizeau, Roemer and Michelson contributed to the measurement of the speed of light and indicates some of the most important applications of this constant today. Michelson's famed experiment is shown in animation. (Jr. High, Sr. High, College)

SPEED OF LIGHT (PSSC)

23 minutes—sound $5.00 5
Outdoors at night Dr. Siebert measures the speed of light in air using a spark-gap, parabolic mirrors, a photocell and an oscilloscope. In the laboratory he compares the speed in air and in water using a high speed rotating mirror.

SPEEDBALL FOR GIRLS (CORONET)

10 minutes—sound $2.00 2
Rapidly growing in popularity, speedball provides excitement and variety. The film carefully explains players' positions on the field, rules of the game, and techniques in developing team cooperation and individual skills, including kicking, volleying, juggling, passing, and receiving. This film makes it easy for students to master the challenging game of speedball. (Jr. and Sr. High)

Unit Value

SPEEDING YOUR READING (TAE)

10 minutes—sound $2.00 2

Designed to improve reading speed of high school and adult classroom audiences by giving the student an understanding of correct reading habits, the film concentrates on developing correct eye movements. We see the most common reasons for slow reading and suggestions are made for correction of reading fault. (Jr. High through Adult)

SPELLING IS EASY (CORONET)

11 minutes—sound $2.00 2

A practical visual aid to spelling. It is a motivational film for the intermediate grades, and presents the five basic rules for learning to spell. (Elementary through College)

SPELLING FOR BEGINNERS (CORONET)

11 minutes—sound—color $4.00 4

Collaborator: Thomas D. Horn, Ph.D., Professor of Curriculum & Instruction, College of Education, University of Texas. Four spelling helpers, "Look," "Listen," "Say," and "Write" are introduced to stimulate the child's interest in spelling and to enable him to cope with difficult-to-spell words. The film suggests ways of practicing with these helpers for better spelling. (Primary)

SPIDERS (EBF)

10 minutes—sound $2.00 2

The nursery-web, the orb-web, the funnel-deb, and the trap-door spiders appear in this picture. The complete life cycle of the first is presented, while the peculiar habits and characteristics of the others are shown. The construction of an orb-web is shown through every step of the procedure. The retreat of the trap-door spider is explained and illustrated pictorially. Also scenes of the spiders as hunters and providers. (Jr. High through College)

THE SPINAL COLUMN (EBF)

11 minutes $2.00 2

Supplementing live action scenes with X-ray and stop-motion photography, animated drawings, and graphic closeups, this film provides a detailed study of the structure and functions of the spinal column. The five spinal regions are identified, the curvatures of the spine are described and the importance of good posture is stressed. (Jr. High, Sr. High, College)

SPIRIT OF ALGONQUIN (NFBC)

21 minutes—sound—color $1.50 1.5

Algonquin Park in Ontario, a boys' camp, a girls' camp and a summer of wholesome fun—these fill the screen with entertaining sidelights on how youngsters take to the woods, and to the outdoor life, when given the sort of opportunity that Algonquin Park provides. On sorties away from camp, the children see deer, beaver, moose and other creatures of the wild. At camp, they learn the zestful skills of outdoor life, swimming, fishing, riding, canoeing, campfire cooking, and the lasting values of experiences shared.

Unit Value

"SPONTANEOUS" GENE MUTATION

30 minutes $5.00 5
Lecture by Dr. H. J. Muller. (College)

SPOTTY: THE STORY OF A FAWN (CORONET)

10 minutes—sound—color $4.00 4
Filmed against the authentic background of the north woods the adventures of Spotty, a wild fawn, are believable and fascinating. Participation devices are aurally and visually built into the picture and the narration has been keyed to primary grade word lists. (Primary)

SPRING ON THE FARM (EBF)

11 minutes—sound—color $4.00 4
Portrays the adaptation of plants and animals to the changing seasons. This film follows Joan and Jerry as they observe the spring scene on the farm. They see buds swelling, birds returning, grass becoming green, fruit trees blooming, the planting of gardens, moths coming out of their cocoons, and young rabbits emerging from their nests. (Primary through Jr. High)

SPRINGTIME FOR JEAN MARIE (Ind. U.)

14 minutes—sound $3.00 3
Presents the book Springtime for Jean Marie by Francoise, published by Charles Scribner and Sons. The viewer looks through the giant's pipe to see the Eifel Tower. A small French song is sung. (Primary)

THE STALIN ERA: PART I (McG. H)

29 minutes—sound $5.00 5
Discusses the methods used by Stalin to take over the leadership of the Communist party and the Russian Government. Explains his policies of farm collectivation, nationalization of industry and the establishment of nationalism as a supreme tenet of Russian ideology . . There is a description of Hitler's rise to power, and the confrontation of these two dictators. (Jr., Sr. High, College, Adult)

THE STALIN ERA: PART II (McG. H)

29 minutes—sound $5.00 5
Used newsreel footage to outline the important events proceeding the Second World War. Explains Stalin's efforts to build his personal image. Tells how Stalin maneuvered at Teheran, Yalta, and Potsdam to make the best possible terms for the Communists. Concludes with Russia's continued build-up of strength and influence throughout the world. (Jr., Sr., High, College, Adult)

STAMPEDE STOPOVER (CTF)

13 minutes—sound—color $1.50 1.5
In this film a pretty young miss from the East satisfies her curosity by walking from the train to Calgary's main street where the gala opening parade is in full swing. Colorful floats, bands, Indian riders, cowboys and cowgirls pass in review, and our visitor is soon swept up in western style hospitality. (Elem. through Adult)

Unit Value

STARFIGHTER (McGRAW-HILL)

28 minutes—sound—color $5.00 5
Filmed at the Lockheed plant in Burbank and at Edwards Air Force Base, California, this is the story of the testing and acceptance by the U. S. Air Force of the Lockheed F-104, the fastest operational supersonic jet fighter in the world.

STEAM ENGINE (YA)

10 minutes—sound $2.00 2
An animated film tracing the historical development of the steam engine (both stationary and locomotive). Simple animated diagrams explain the basic principles by which the steam locomotive operates. (Elementary and Jr. High)

STEMS (McG. H)

28 minutes—sound—color $6.00 6
The structure of plant stems is related to its chief function as an avenue of transport between the leaves and roots and to its being the chief means of support of the plant. Current ideas about the mechanism by which water moves through the xylem are described in terms of root pressure and transpiration stream. Many demonstrations are used to show the properties of xylem and phloem and to explain the movement of materials within plants.

STEPS OF THE BALLET (EBF)

20 minutes—sound $4.00 4
A fascinating portrayal of a modern ballet narrated by Robert Helpmann, a choreographer and dancer. Reveals basic ballet positions and movements and explains their significance. Illustrates the work of the choreographer, solo dancers, composer, and designer of stage settings in the creation of a ballet. Takes us backstage where we see a ballet in rehearsal and learn its story, and finally shows us a finished performance of the ballet. (Jr. High through Adult)

STORY OF PREHISTORIC MAN (CORONET)

11 minutes—sound—color $4.00 4
Authentic evidence—paintings, tools, carvings, and skeletal remains—have permitted this accurate portrayal of prehistoric man's appearance and way of life.

STORY OF A STORM (CORONET)

10 minutes—sound $2.00 2
In this dramatic story of a single storm audiences will learn what conditions cause a rain storm to develop. Names of the different kinds of clouds and a general knowledge of pressure areas, fronts, meteorological instruments and similar related information are woven into the fabric of this day-by-day account. Because a storm affects the lives of people as it moves across the country, this motion picture will foster important social studies concepts as well as give general science information. (Jr. and Sr. High)

STORY OF A VIOLIN (CanFB)

21 minutes—sound—color $6.00 6
When a 12-year-old boy breaks his violin, a skilled violin-maker

Unit Value

of Canada is seen making a new one. All steps are shown beginning with the selection and curing of the wood, then designing, construction, finishing. An animated sequence, showing the component parts of the violin, is accompanied by Bach's "Gavotte in E" from the "Violin Sonata No. 6." (Elementary through Sr. High)

STORY OF CHRISTOPHER COLUMBUS (EBF)

17 minutes—sound $4.00 4
Brings to life the story of America's discovery and of the man whose conviction, courage, and faith brought it about. Clearly dramatizes highlights in the life of Columbus, including his boyhood dreams of travel and adventure, his tireless search for aid in organizing an expedition, his long and hazardous voyage westward, and finally his landing at San Salvador in 1492. (Elementary through Sr. High)

STORY OF COAL (KB)

10 minutes—sound $2.00 2
Shows how the earth was in a molten state millions of years ago and how it then began to solidify causing the forming of mountains. Jungles of giant trees grew. Animated diagrams show the work of the sun on growing things. Then we have lightning, rain and a hurricane. Decay that takes place in swamp land and the surf pounding against the shore. All of these are shown to have helped in forming peat beds and later coal. (Elementary through Adult)

STORY OF ELECTRICITY (KB)

11 minutes—sound $2.00 2
Deals with the early discovery of the lodestone and the properties of magnetism. Depicts a few of the many episodic events which lead up to the use of magnetism in the producing of electricity. Shows how the discoveries of Morse, Edison, and others have contributed to our modern world. (Jr. and Sr. High)

STORY OF GASOLINE (BM)

20 minutes—sound—color $1.50 1.5
The Story of Gasoline combines animation and "live" sequences to tell what gasoline is, how it is made, and how it performs. The film traces the story of gasoline from crude oil to finished product and explains in simple terms the complex structural patterns of petroleum molecules making up the fuel that propels millions of automobiles, airplanes and other internal combustion engines. (Jr. High through Adult)

STORY OF LUBRICATING OIL (BM)

22 minutes—sound—color $1.50 1.5
Shows, by animation, how lubricating oil is produced and tailored to meet the different needs of modern mechanisms, from watches to automobiles and farm tractors. (Primary through Adult)

STORY OF MENHADEN (USFish&Wildlife)

21 minutes—sound—color $1.50 1.5
Reviews the uses of fish in industry as an ingredient of animal and poultry feed, paint, linoleum, cosmetics, etc. Then shows

Unit Value

how the fish are caught with especially-designed boats and large nets. Also the processing steps. (Jr. High through Adult)

STORY OF MONEY (BIS)

16 minutes—sound $2.00 2
Explains the development of the monetary system from the earliest days of simple barter to the complexities of modern banking, and shows the evolution of coins, checks and banking houses and the part they play in the world of today. (Elementary through Adult)

STORY OF OIL (YA)

17 minutes—sound $2.00 2
This Canadian film shows how a new oil field is located by means of the seismograph, how the oil well is drilled, how the oil is stored as it comes from the well, its transportation to the refinery, and what takes place in the refinery. (Elementary through Sr. High)

STORY OF OUR FLAG (McCRARY)

10 minutes—sound $2.00 2
Shows the development of the United States and how its territorial expansions are tied in with the changes in the flag until it reached its present status. (Elementary through Sr. High)

STORY OF STEEL (KB)

11 minutes—sound $2.00 2
Describes the manufacture of steel and shows its important uses in the world today. (Jr. and Sr. High)

THE STORY OF TELEVISION (RCA)

26 minutes—sound $1.50 1.5
This film shows how science made television a working reality. Traces the development of black-and-white and color television.

STORY OF TWINE (USDA)

26 minutes—sound—color $1.50 1.5
This film tells the story of binder twine from the picturesque sisal plantations in the West Indies, through the processing factories, to delivery on the farm for use. (Jr., Sr. High through Adult)

STORY OF WHEAT (KB)

10 minutes—sound $2.00 2
Deals with the history, growth, harvesting and preparation of wheat for its most important use as bread. (Jr. and Sr. High)

STRAIGHT LINE KINEMATICS (PSSC)

33 minutes—sound $5.00 5
Notions of distance, speed and acceleration discussed; graphs of all three generated using special equipment in a real test car; relationships among them shown by measurements (and estimates) of slopes and areas from the graphs.

Unit Value

STRING CHOIR, THE (EBF)

11 minutes—sound $2.00 2
Opens with the string ensemble playing a selection from "L'Arlesienne" by Bizdt. After the characteristics of the violin are explained a violinist renders a solo. The camera brings into focus the other instruments, and techniques involved in playing them. (Elementary through Adult)

STRING INSTRUMENTS

10 minutes—sound $2.00 2
At a concert for children, Conductor Eugene Kash illustrates points on musical form and introduces the string instruments. When the violin, viola, and cello have been presented separately, they join in a fugue, and later Mr. Kash plays a gavotte on his violin. A graceful little troop performs a dance based on the legend of Persephone and set to music from which other children have written the themes. (Primary and Elementary) (Music)

STRUCTURAL CHANGES IN CHROMOSOMES I

30 minutes—sound $5.00 5
Lecture by Dr. H. J. Muller. (College)

STRUCTURAL CHANGES IN CHROMOSOMES II

30 minutes—sound $5.00 5
Lecture by Dr. H. J. Muller. (College)

STYLE IN WRITING (IND)

30 minutes $5.00 5
Dr. Peterson presents the thesis that an individual's style of writing should be his true self. He points out that many people lose their naturalness when they begin to write. Quoting Lamb, Morely, Twain, Shakespeare, and others, he maintains that true elegance is always simple and honest. Criticizing the use of inflated or pompous verbs like gaze, don, dwell, peruse, transpire, retire, and arise for the more sincere see, put on, live, read, happen, go to bed, and get up, he urges beginning writers to avoid affectations and to be themselves.

SUBTRACTION IS EASY (CORONET)

10 minutes—sound $2.00 2
In this companion film to "Addition," Billy faces the problem of deciding whether he will have enough money to buy a baseball after purchasing paints and a bat. Students see mathematics in action—and from this basic film learn borrowing and other fundamentals of subtraction. Both films also teach the relative values of coins in our monetary system. (Primary)

SUBTRACTION OF WHOLE NUMBERS (SRA)

29 minutes—sound—color $5.00 5
Introduces subtraction as the inverse of addition, and in terms of set separation; structural properties; and explains "borrowing" by regrouping of sets.

Unit Value

SUGAR CANE (C)

21 minutes—sound $1.50 1.5
History of sugar cane in the continental United States (Louisiana) is first rapidly sketched. Death of the prosperous industry as a result of disease and insect attacks until in 1926 the growing of sugar cane in Louisiana was almost at an end. Attack of the problem by development of new breeds is then considered and the methods of developing these is carefully shown. Then comes a general outline of cane growing practices, harvesting methods, and refining of sugar. (Jr. High through Adult)

SUI (ASSN. FILMS)

26½ minutes—sound—color $1.50 1.5
Tells how natural gas was piped across desert wastes from Sui to Karachi. Presents the significance of this pipeline to the economic and industrial growth of Pakistan. (High School, Adult)

"THE SUICIDE OF SOCIETY: VAN GOGH" (IND)

12 minutes $4.00 4
This film draws on Artaud's writing to confront the tragic story of Van Gogh. The problem of society versus the artist is important here. Artaud believed that Van Gogh was one of those people too deeply sensitive, able to see too much, who must be eventually destroyed by society whose existence he threatened. "Someday," Artaud said, "Van Gogh's paintings, fortified with fever and good health, will come back to scatter the dust of the caged world which his heart could no longer bear."

SULPHUR AND ITS COMPOUNDS (CORONET)

10 minutes—sound—color $4.00 4
Sketches the highlights of the history of sulphur. Presents the mining of sulphur by the Fresch method. Studies the physical and chemical properties of sulphur and its compounds, particularly sulphur dioxide and sulphuric acid. (Sr. High)

SUMMER HARVEST (NEA)

28 minutes—sound $1.50 1.5
This is the story of a successful volunteer summer school program in the Wichita, Kansas, public schools which merits the attention of every community in the nation.

SUMMER ON THE FARM (EBF)

10 minutes—sound—color $4.00 4
This charming color film is one of a series describing the cycle of seasons. Observing the growth of plants and animals during summer becomes a fascinating experience as we follow Joan and Jerry in their ramblings by the pond, through the orchard, and into gardens and fields. The children finally return to the house where Mother has cut the first ripe watermelon of the season. (Primary and Elementary)

SUNFISH (EBF)

10 minutes—sound $2.00 2
Presents the life of the sunfish from the preparation of the nest, the laying and fertilizing of the eggs, the hatching of the eggs,

Unit Value

and the development of the fish to maturity. (Elementary through Adult)

SUN'S FAMILY (YA)

10 minutes—sound $2.00 2
Explains what the solar system is: that the sun is really one of the smaller stars, and that nine planets revolving around it constitute its "family;" that the earth is one of these planets, and that each planet travels in a fixed orbit around the sun. (Elementary)

SUPERFORT (McGRAW-HILL)

28 minutes $5.00 5
A graphic record of the costly invasion of Iwo Jima by the U. S. Marines and the advent of the B-29 strategic bomber as a decisive weapon in the war in the Pacific.

SUPREME COURT (CORONET)

10 minutes—sound $2.00 2
This story about the Supreme Court of the United States begins in a city a thousand miles from Washington. As we follow a case from inception, through the lower courts to final hearing before the Supreme Court, we learn the relationship of the court to the "plain citizen." We see the Supreme Court as the guardian of Constitutional rights, learn its function, powers and jurisdiction . . . a candid film lesson of the highest court in our Federal Judicial System. (Jr. and Sr. High)

SURPRISE FOR JEAN (EBF)

7 minutes—sound—color $2.00 2
It is Jean's sixth birthday, and Mother has planned a big surprise. Jean and Frank are sent on an errand. While they are gone, Jean's little friends come to her house with birthday presents. Quickly they hide themselves, and when Jean and Frank return, the guests rush out and shout "Happy Birthday!" The presents are opened, and the children enjoy refreshments around a festive table. (Primary)

SURRENDER OF CORNWALLIS AT YORKTOWN, THE (YA)

27½ minutes—sound $2.00 2
At British headquarters at Yorktown, October 17, 1781, Lord Cornwallis describes the desperateness of his situation and drafts a letter of surrender to General Washington. An American attack on a British position ceases when Cornwallis orders a parley with the Americans. General Washington receives the surrender letter and negotiations begin. Walter Cronkite explains the significance of this victory. (Jr. High through Adult)

SWEDEN (MOT)

10 minutes—sound $2.00 2
Here is depicted Sweden's paradoxical and unique balance of monarchy, capitalism—the Middle Way—which puts Sweden well on the way toward complete return to the abundant life and to expansion of its peacetime industries. (Jr. High through Adult)

Unit Value

SWEDEN LOOKS AHEAD (McGRAW-HILL)

18 minutes $4.00 4
"Sweden's people, left in peace for over a hundred years have developed a way of life admired the world over. Little larger than California, she has been able to eliminate extremes of poverty and riches, and all benefit from her famed middle way. Controlled lumbering and reforestation, arable lands held by working farmers, an even distribution system featuring all types of cooperatives, and strong, progressive labor unions are only some of the aspects of her economic development. Depending upon both the East and West for her vital trade, Sweden looks ahead with high hopes that her way of life will be preserved."

SWEDEN—Ports of Industrial Scandinavia (UWF)

20 minutes—sound $4.00 4
The people of one of the earth's most northern communities live well because abundant water power helps them to make good use of their forests, minerals and farmlands. Following an ice-breaker merchant vessel along Sweden's east coast we observe the products at several port cities. We see industries that are based on Sweden's most important natural resources, hydro-electric power, iron and lumber. Life in old and new Stockholm is contrasted. We see examples of the craftsmanship of Sweden's potters and glassmakers and, finally accompany the first mate of the merchant vessel to his home in one of Sweden's cooperative apartments and observe the family in their daily life. (Elementary through Adult)

SWITZERLAND—Mountain Farmers (UWF)

20 minutes—sound $4.00 4
This film deals with the community and family life of a typical Swiss farm family in a small Alpine community. The well organized farm cooperatives, and progressive methods of agriculture reveal the peace-loving congenial atmosphere which exists among the people of Switzerland. The children in the film play an important part in this story, as they dramatize the customs and traditions of the nation in a very interesting manner. (Elementary through Adult)

SYMPHONY ORCHESTRA (EBF)

10 minutes—sound $2.00 2
Two Wagnerian compositions are featured in this film in the "Ride of the Valkyries," and the prelude to Act 3 of "Lohengrin." The work of the conductor, Howard Barlow, is caught by unique camera angles as he interprets these brilliant scores and through his orchestra of Philharmonic players, brings this interpretation into sound. (Elementary through Adult)

SYNAGOGUE, THE (UWF)

22 minutes—sound $4.00 4
On the Sabbath morning men carrying prayer shawls go with the women to the Synagogue, where they sit separately. Prayers open the service which is closed by the singing of psalms. In a home in Jerusalem, the Passover meal is served and the three-fold ceremony of partaking of the cup is observed. (High School thru Adult)

Unit Value

SYNTHETIC FIBERS—NYLON AND RAYON (EBF)

15 minutes—sound $3.00 3
Reveals how modern science and technology have made possible the development of new artificial fibers for making textiles—specifically rayon and nylon. Portrays simply but graphically some of the processes used in making these fibers, some of the ways in which they are useful to man, and some of the characteristics of the textiles made from them. (Elementary through Jr. High)

TACKLING IN FOOTBALL (EBF)

10 minutes—sound $2.00 2
Andrew Kerr, Football Coach, Colgate University, teaches the fundamentals of good tackling: physical condition, speed, body placement, drive, sure grip, timing and body control. Describes the two basic kinds, shoulder and cross body tackles. Special instructions are given for practicing with attention to safety measures and ways of reducing the shock of tackling. (Jr. High through Adult)

TAKE A CAN OF SALMON (FISH & WILDLIFE SERVICE)

14 minutes—sound—color $1.50 1.5
This film presents a visit to six typical American cities—San Francisco, Seattle, Miami, Chicago, New Orleans, and New York—in each of which a can of salmon is converted into an attractive meal.

TAKE TIME FOR YOUR TEETH (JOHNSON AND JOHNSON)

14 minutes—sound $1.50 1.5
This film, prepared in cooperation with dental authorities and approved by the American Dental Association, tells of the important role TIME plays in the care of recent and scientific information available on dental hygiene.

TALE IN A TEA CUP (TEA BUR)

22 minutes—sound $1.50 1.5
Filmed in England and India. Traces the important role of tea in world history and then shows how it is grown, packed, manufactured and prepared for export. (Jr. High through Adult)

THE TALENTED HANDS (NFBC)

18 minutes—color $1.50 1.5
This film shows how a renaissance in arts and crafts has spread through the Province. Many fine examples of pottery, ceramics, woodcarving, weaving, metal work and other handicrafts are displayed for the visitor. It shows how use is made of raw materials found right in the Province. In the need for expression each craftsmen becomes his own teacher and tries in his own way to capture the charms of his Province.

A TALKING VALENTINE (EBF)

6 minutes—sound—color $3.00 3
Linda makes a valentine box to take to school. At school she finds a parakeet on the window ledge and the class names him Valentine. He is returned to Mrs. Jones, the good-natured traffic lady. (Primary)

Unit Value

TAPE RECORDING FOR INSTRUCTION (UNIV. OF INDIANA)

15 minutes $3.00 3
Shows the use of tape recorders in teaching situation and presents some of the different models of recorders indicating their controls, various speeds, and purposes. Gives a demonstration of several microphone placements and offers suggestions for the improvement of recorded sound quality. Explains how to edit tapes by splicing and suggests many uses for tape recorders such as in language instruction, music groups, and conferences.

TARGET PLOESTI (McGRAW-HILL)

28 minutes $6.00 6
The grim story of the United States Air Force's surprise low-level bombing attack on the single richest target in Europe—the Rumanian oil refineries at Ploesti.

TARHEEL FAMILY (NCRUC)

22 minutes—sound—color $1.50 1.5
A study of the human, natural and social resources of North Carolina. Specifically covered are: agriculture, conservation and industrial development, wildlife, labor welfare, health and education. (Elementary through Adult)

TAR HEEL FOOTBALL HIGH LIGHTS 1960 (WUNC-TV)

12 minutes—sound $1.50 1.5
In this film Coach Jim Hickey discusses the 1960 schedule, and filmed high lights of the University of Tennessee, University of Virginia and Clemson College games are presented.

TEACHER, THE (EBF)

16 minutes—sound $3.00 3
Tells the story of Julia Whittaker, a teacher who is offered another interesting job but who decides to remain in her chosen profession. Dramatically emphasizes the important work of a teacher in training future citizens. Describes the training teachers receive and suggests some of the satisfactions they get from their work. Although created especially for use in the early school grades, because of its dramatic content, this film is excellent for teacher training and recruitment.

TEACHER CRISIS (MOT)

17 minutes—sound $2.00 2
The educational scene today is portrayed objectively, for visits to America's classrooms and school board meetings reveal discontented and ill qualified teachers on the one hand and disinterested community attitude on the other. Overwork and low pay are but two of the problems which have driven teachers to abandon the dignity of their profession, to organize into unions and to go out on strike against conditions they consider no longer tolerable. Points out some of the handicaps under which teachers are working, the danger to the community of present conditions, and the necessity of making teaching a well-paid profession. (College and Adult)

Unit Value

TEACHING MACHINES AND PROGRAMMED LEARNING (UW)

27 minutes—sound $5.00 5
This film shows the use of the teaching machine by a group of students. Answers such questions as "What Are Teaching Machines? How are they used. These and other questions are discussed in detail. Gives a thorough understanding of this new teaching device and how it is used at the present time. (Adult)

TECHNIQUES OF ORGANIC CHEMISTRY, Part 1 (YA)

11 minutes—sound—color $4.00 4
The purpose of this film is for instruction in laboratory work of a college course. Equipment; fractional distillation melting point determination; Rast determination of molecular weight. (College)

TECHNIQUES OF ORGANIC CHEMISTRY, Part 2 (YA)

20 minutes—sound—color $6.00 6
Contents of this film are equipment, solubility tests, procedure for crystallization, clarification, cholesterol from gall stones, collection of a precipitate, supersaturation. (College)

TECHNIQUES OF ORGANIC CHEMISTRY, Part 3 (YA)

11 minutes—sound—color $4.00 4
Contents of this film: Extraction, countercurrent distribution, elution chromatography. (College)

TECHNIQUES OF ORGANIC CHEMISTRY, Part 4 (YA)

18 minutes—sound—color $6.00 6
Martius Yellow; a synthetic sequence involving preparation of the yellow dye and of six derived compounds. (High School and College)

TEETH (EBF)

11 minutes—sound $2.00 2
Animated drawings and direct photography present four vital problems in connection with teeth: how teeth develop and grow; which foods help to build strong teeth; how to brush the teeth; and how the dentist cares for our teeth. (Jr. High through Adult)

TELEPHONE HOUR (AT&T)

23 minutes—sound $1.50 1.5
A network broadcast showing the activities of technicians. Features the Bell Telephone orchestra conducted by Donald Voorhees with Josef Hofmann, pianist, as guest soloist. (Jr. High through Adult)

TERRITORIAL EXPANSION OF THE U. S. (INT. GEO.)

22 minutes—sound $4.00 4
1783-1853. This film shows graphically the growth of this country from colonial times to its present continental size, exclusive of territorial possessions. This growth is depicted in chronological order in a manner designed to accord with that in which American history is taught in the classroom. Animated maps are used extensively to illustrate points, and the various bound-

Unit Value

ary disputes are clearly explained. These maps are supplemented with authentic representations of history's great events. A review map at the end of the film re-emphasizes dates of various territorial acquisitions. (Elementary through College)

TERRITORIAL POSSESSIONS OF THE U. S. (INT. GEO.)

22 minutes—sound $4.00 4
Continues the story of American expansion begun in "Territorial expansion of U. S. from 1783 to 1853." The picture explains how Alaska, the Canal Zone, Hawaiian Islands, the Philippines, and the other far-flung insular possessions of the U. S. were acquired. Historic events pertinent to the acquisitions are portrayed. In addition views are presented making the student familiar with the distant possessions of the United States. Animated maps are used and the acquisition of the territories is presented in chronological order. The value of the territories, both commercial and strategic, is set forth. (Elementary through College)

TESTING INTELLIGENCE WITH THE STANFORD-BINET (IndU)

18 minutes—sound $4.00 4
Produced primarily to give an overview of the types of items and the method of administration employed. Not designed to teach students how to administer the test. (College)

TEXAS (MOT)

11 minutes—sound $2.00 2
Here is the Lone Star State, shown in impressive scenes that reveal its almost legendary wealth. Rich in sulphur, oil, mercury, its mines can produce nearly every mineral necessary to modern life. Whole nations could subsist for months on the surplus of its wheat output. (Jr. High through Adult)

TEXAS AND ITS NATURAL RESOURCES (BM)

25 minutes—sound—color $1.50 1.5
The first part of this film is devoted entirely to the mineral industries of Texas, especially petroleum, while the last part deals with water resources, agriculture, communications, and cities. (Elementary through Adult)

THE THEATRE—ONE OF THE HUMANITIES (EBF)

30 minutes—sound—color $6.00 6
The play, narration, and dramatic conventions of the theatre are discussed and enacted.

THEORY AND TACTICS: BOLSHEVISM ON THE MARCH (McGH)

29 minutes—sound $5.00 5
Presents the development of Communism from 1904-1914. Uses commentary, dramatic re-enactments, and photographs of the situation in Czarist Russia and the conditions which permitted the growth of the Bolshevik party. Describes the fund raising techniques of the party and an introduction to the young Joseph Stalin. (Jr., Sr. High, College, Adult)

Unit Value

THEORY OF FLIGHT (EBF)

11 minutes—sound $2.00 2
Illustrates the application of physical laws to forces acting on airfoils. Wind tunnel tests and drag on plain and cambered airfoils. Control of airplane movements about vertical, lateral and longitudinal axis by means of the rudder, elevator, and ailerons.

THERAPEUTIC CAMPING (Devereux Foundation)

30 minutes—sound—color $1.50 1.5
Portrays the multidisciplinary approach in the summer camp program of the Devereux Camps in North Anson, Maine. The film shows in graphic form how to overcome fears and develop confidence, how children learn to develop better inter-personal relationships, in an atmosphere of natural beauty and relaxation provided by the summer camp. (High School, Adult)

THERMODYNAMICS (EBF)

11 minutes—sound $2.00 2
Sequences deal with selected heat phenomena in advanced form. Molecular action in heat transfer, phenomena of combustion, mechanics of the steam engine, steam turbine, automobile and Diesel engines are explained in detail. The first and second laws of thermodynamics are explained. (Jr. High through College)

THEY NEED TO KNOW (UW)

13 minutes—sound $1.50 1.5
A dramatic skit illustrates the importance of being familiar with the rights and benefits due survivors when the wage earner is covered by Social Security. (Sr. High through Adult)

THINGS EXPAND WHEN HEATED (YA)

10 minutes—sound $2.00 2
Demonstrates by animation and simple photography the movements of molecules before and after heat is applied, showing that their accelerated movement requires more space and therefore causes expansion. Uses many concrete examples of expansion and contraction from everyday life. (Elementary and Jr. High)

"THINKING" MACHINES (McGRAW-HILL)

20 minutes—sound—color $6.00 6
With Claude Shannon of MIT, Alex Bernstein of IBM, and Leon Harmon of Bell Laboratories. Approaches and experiments in machine "intelligence." A mechanical mouse that learns by trial and error, a chess game against a giant computer, and a machine that recognizes visual patterns are highlights.

THIRSTING STONES, THE (CORONET)

15 minutes—color—sound $5.00 5
"Greed does not pay" might well be the subtitle of this familiar old tale. The triumph of the shepherd-boy hero over the evil Oliver Sly is a lesson in faith and goodness and its ultimate rewards. Good action, a pastoral setting and an unusual tale about the stones that revealed a treasure are blended here to

Unit Value

give both education and entertainment. (Kindergarten, Primary, Intermediate)

THIRTY-SIX WEEKS BEHAVIOR DAY (EBF)

10 minutes—sound $2.00 2

The infant boy whose behavior day at 12 weeks was charted is now 36 weeks old. He has made striking progress. His reactions are compared with those which he experienced twenty-four weeks earlier. An animated clock announces the changing events of the day's schedule. (Sr. High through Adult)

THIS CHARMING COUPLE (CORONET)

19 minutes—sound $4.00 4

This film focuses on a frequent cause of broken marriages—false ideals of "romantic" love. We follow the courtship of two young people who refuse to evaluate each other's good qualities and shortcomings in a realistic, adult fashion. Because they are in love with "love" and not with each other, their marriage is doomed to fail. (High School, College, Adult)

THIS IS FOOTBALL (OSF)

25 minutes—sound—color $2.00 2

The film gives coverage on the major high school rule changes for 1963. It's also an excellent review of other high school rules with emphasis on proper officiating techniques and gives clear interpretations of play situations. The film should be interesting to players and spectators, is a must for coaches and officials.

THIS IS THE UNITED NATIONS, I (UNFILM)

15 minutes—sound $2.00 2

Presents the story behind these headlines: "General Assembly Acts to make Jerusalem an International Area;" "Under International Civil Aviation Organization, Twenty-five Weatherships Promote Safety at Sea;" "The Nations Fight Tuberculosis—25 Million Children Tested;" "East and West Unite in Voting Aid to Underdeveloped Countries." (Elementary through Adult)

THIS IS THE UNITED NATIONS, II (UNFILM)

12 minutes—sound $2.00 2

Presents the story behind these headlines: "President Romulo Urges Accord on Atomic Energy;" "Unique Method of Interpretation Assist at U. S. Meeting;" "U. N. Children's Emergency Fund Helps Feed 6 Million Children, Clothe 2 Million." (Elementary through Adult)

THIS VITAL EARTH (EBF)

10 minues—sound—color $4.00 4

The relation of life to its environment is shown through the balance of plants and animals. Explains that plant and animal relationships are essential to survival. (Elementary through Adult)

THOMAS JEFFERSON (EBF)

20 minutes—sound $4.00 4

Presents a dynamic and vivid portrait of Thomas Jefferson the statesman, the diplomat, the man of letters and the progressive

Unit Value

farmer. Points out this greatness as author of the Declaration of Independence, as Governor of Virginia, as Secretary of State, as Minister to France, as Vice President and President of the United States, and finally as "Father of the University of Virginia." (Jr. High through Adult)

THOUSAND DOLLARS FOR RECREATION (AI)

12 minutes—sound—color $2.00 2
Colorful scenes of interesting phases of outstanding community recreation accomplishments in two American towns. It offers sound advice on how service clubs and other community organizations can invest wisely in a complete recreation program for their community. (College and Adult)

THREE FOX FABLES (EBF)

10 minutes—sound $2.00 2
With superb real life photography this delightful film recaptures all the fascination and charm of three of Aesop's best loved and "The Fox and the Grapes," "The Fox and the Crow," and "The Fox and the Stork." Ingenious direction of real animals in attractive woodland setting brings to life the famous stories told and read and loved for centuries. (Primary)

THREE LITTLE KITTENS (EBF)

10 minutes—sound $2.00 2
Discovered in the barn with their mother by a farmer's wife these kittens provide an opportunity for learning about the characteristics of cats in general. When about two weeks old they are carried by their mother to a new home in an old buggy, where they learn to eat, clean themselves, and to play. Later they have a skirmish with a dog and learn to catch mice. (Primary and Elementary)

THREE TO BE SERVED (NAM)

27 minutes—sound $2.00 2
Through the experience of a group of high school youngsters in starting their own business, this film shows the fundamentals which underlie all business. Shows how management must serve customers, workers, and investors, and must reconcile the demands of all three, in order to make any business venture successful. (Jr. High through Adult)

THREE TROUT TO DREAM ABOUT (CTF)

14 minutes—sound—color $1.50 1.5
This film not only shows an exciting fishing episode but gives the audience many scenic glimpses of wilderness territory and an occasional sight of icebergs as an aircraft wings over Atlantic coastal waters. (Jr., Sr., Col., Adult)

THUNDER & LIGHTNING (YA)

10 minutes—sound $1.50 1.5
Explains the phenomena of thunder and lightning in simple terms, using this as a springboard for understanding static electricity. Shows that by rubbing certain objects together we cause them to become charged with electricity; that like charges repel and unlike charges attract; that in a similar manner clouds become charged, and that lightning results when they discharge.

Unit Value

Also discusses protective measures against electrical storms. (Elementary and Jr. High)

TIGHT LINES (NFBC)

15 minutes—sound—color $1.50 1.5
This film provides a colorful sampling of the kind of sport awaiting the fisherman, young or old, expert or amateur. It describes the haunts of the sea-going salmon and the wary trout, and how to land these cagey fighters.

TIME (IND)

14 minutes—sound—color $3.00 3
"How do we tell time?" This and several aspects of time are presented: the method of determining time zones, the need for an international date line, daylight savings time, and problems created by speed as related to time determination. (Inter., Jr., Sr., Col., Adult)

TIME AND CLOCKS (PSSC)

27 minutes $5.00 5
John King, MIT, discusses concepts of time measurement and shows various devices used to measure and record time intervals from 1 second down to 10-9 seconds. Points out that the accuracy of a clock can be judged only by comparison with another clock. The question of what time is, psychologically, is raised briefly as well as the question of a possible limit to the subdivision of time.

TIME FOR TALENT (NCEA)

28 minutes—sound $1.50 1.5
This film tells the story of how America is developing her brightest children to their full capacities, as illustrated by schools in three representative communities.

THE TIME OF THEIR LIVES (NEA)

28 minutes—sound $1.50 1.5
This film about kindergarten captures the magic of one morning in the lives of children as they gain from kindergarten some of the hundreds of experiences which will affect them throughout their school years.

TINY WATER ANIMALS (EBF)

10 minutes—sound $2.00 2
Life processes and activities of amoebae and paramecia are shown with the activities of the amoebae given major emphasis. Reproduction of amoebae is presented. Reveals other interesting creatures, such as the wheel animalcule, and swan animalcule. (Sr. High through College)

TIPPY—THE TOWN DOG (EBF)

11 minutes $2.00 2
The delightful story of a terrier who escapes from his busy adult master and has many adventures before he finally returns and acquires a new and youthful owner. In his adventures, Tippy tries to make friends with a succession of people and animals:

Unit Value

a neighbor, a large dog, an organ grinder's monkey, a dog-catcher, and the city firemen. (Primary)

TIPS FOR TEACHERS (JH)

20 minutes—sound $4.00 4
Presents the three "P's" of good teaching. Explains the place and value of the Teacher's Personality, dramatizes the importance of Preparation, and gives a living example of how the Presentation of the material is done best. The photography is in the classroom. Analogies are introduced to show how the teacher must use showmanship, salesmanship, and the ability of an actor to help in shortening the learning process. (College and Adult)

TO LIVE TOMORROW (ASSN F)

13½ minutes—sound $2.00 2
A flash fire in the kitchen . . . a blaze in a theatre . . . an enemy attack. How would you and other Americans react? This dramatic film probes several situations, studies the reactions of various individuals, shows how leadership, training, mental conditioning can prevent panic. (Sr. High through Adult)

TO SPEAK WITH FRIENDS (NET)

28 minutes—sound $2.00 2
Shows actual use in classrooms of vital new methods of teaching language. Illustrates advanced instructional practices in both elementary and secondary schools which utilize language laboratories, television, motion pictures, recordings, slides and other special audio-visual facilities. (College and Adult)

TOBACCO AND THE HUMAN BODY (EBF)

14 minutes—sound $3.00 3
An authentic report on the scientific results of modern research, evaluating the effects of the use of tobacco. This film analyzes the contents of tobacco smoke and demonstrates some of the physiological effects of smoking. It also sums up the factors to be considered in deciding whether or not to smoke. (Biology and Hygiene)

TOMMY THE LION (YA)

12 minutes—sound $2.00 2
The story of a typical day in the life of a pet lion cub with his owners, Mr. and Mrs. Owens, of Garden City, Kansas, during which Tommy plays with the children, visits school, and makes a trip to his veterinarian. The story structure points up the parallel between Tommy's daily life and habits and those of the children. (Primary)

TOMMY'S DAY (YA)

15 minutes—sound $2.00 2
In this film we follow Tommy through a healthy, happy day in his life at home and school, observing how he follows the simple health habits which are necessary for him to grow healthy and strong. Major emphasis is placed upon the discovering of a loose tooth and its importance to the child. Good health habits and proper diet are stressed to insure proper growth. (Primary and Elementary)

Unit Value

TORMENT OF BEETHOVEN, THE (YA)

27 minutes—sound $5.00 5
October 6, 1802, the critical day when the great composer is at last certain that deafness will overtake him. A dramatic insight into Beethoven's life, with excerpts from some of his great works. (Junior High through Adult)

"TOLOUSE LAUTREC: THE NIGHT WATCHER" (IND)

12 minutes $4.00 4
The Parisian night as seen by Tolouse Lautrec is the theme of this film. It follows Lautrec from the Moulin Rouge, to the circus, even to the houses where women sit expectantly stiff. The film emphasizes that Lautrec did not pass judgment on his time but that he simply wished to put his finger on its pulse, giving to the eye the pleasure of surprising life without cheating, without alteration.

TOYS FROM ODDS AND ENDS (BRANDON)

10 minutes—sound $2.00 2
Produced in cooperation with the Universal School of Handicrafts. There is a brief display of several articles made from odds and ends of cloth, wool, rubber, yarn, etc., and then a detailed demonstration of the making of a small wooly dog is given. (Elementary through Adult)

TRAGIC HOUR OF DR. SEMMELWEISS, THE (YA)

27 minutes—sound $5.00 5
October 10, 1850, Dr. Semmelweiss is dismissed from his Vienna Hospital because of his fight to prevent child-bed fever which, he believes, is due to inattention of the medical profession to sanitary conditions. Portrays a significant highlight in a man's fight against superstition and ignorance. (Junior High through Adult)

TRAITOR WITHIN (AM. CANCER)

11 minutes—sound—color $1.50 1.5
The telling of the story of cancer, the cell growth, the lawless multiplication of gangster cells, the spreading of cancer by the lymph nodes, and the possibilities of curing and controlling the disease through the use of surgery, X-Ray and radium. (Jr. High through Adult)

TRANS-CANADA JOURNEY (CTF)

28 minutes—sound—color $1.50 1.5
This film is a coast to coast portrait of Canada, as it is seen from the Trans-Canada Highway. (Elementary through Adult)

TRANSFER OF MATERIALS (AIBS)

28 minutes—sound—color $5.00 5
Guest Lecturer—Dr. H. Burr Roney, University of Houston. Describes the chemical and physical aspects of movement of materials across cell boundaries. Explains the source of energy required for transfer of materials and indicates the importance of enzymes.

Unit Value

TRAVEL IN AMERICA IN THE 1840's (CORONET)

13½ minutes—sound $4.00 4
Matt's travels from New York to Illinois—by stage, on the Erie Canal, by lake steamer, and on the "new" steam train—help students understand the significance of changes in transportation that were beginning by the 1840's. (Intermediate, Junior High)

TRAVEL—THE TOURIST'S EUROPE (MOT)

25 minutes—sound $2.00 2
Preparations for trip to Europe. Depicts scenes in Paris, Switzerland, Rome, Venice, and England.

TREASURES FOR THE MAKING (PATHESCOPE)

20 minutes—sound—color $1.50 1.5
Step-by-step demonstration of jam and jelly making by the short-boil (pectin) method and long-boil method. Includes sequences on the use of frozen and dry fruits, bottled and canned juices and fresh and canned fruits. (Jr. High through Adult)

THE TREASURY OF HUMAN GENES (AIBS)

28 minutes—sound—color $5.00 5
Guest Lecturer—Dr. J. V. Neel, University of Michigan. Points out the responsibility of the individual and society for the betterment of human inheritance. Explains genetic counseling in relation to Huntington's chorea, mental defects, and cousin marriages.

A TRIP TO THE MOON (EBF)

16 minutes—color $4.00 4
An imaginary rocket takes off to the moon and explores its surface. During the trip we learn many facts about conditions met in navigation to the moon. Once above the moon's surface, the film shows in detail the craters and "seas," the valleys and mountains that can be seen from the earth. The film combines animation and model photography to create a realistic illusion of a study of the moon's surface. (Middle, Jr. High, Adult)

TRIUMPH OF ALEXANDER THE GREAT, THE (YA)

27 minutes—sound $5.00 5
324 B. C., Alexander the Great suppresses a mutiny among his soldiers in Babylonia by convincing them he is trying to achieve "harmony among all the peoples of earth," exemplifying man's highest desire for a better life for all. (Junior High through Adult)

TRIUMPH OF LOUIS BRAILLE, THE (YA)

27½ minutes—sound $5.00 5
A young instructor in the National Institute for the Young Blind in Paris developed a new-method for reading and writing for the blind. Louis Braille, himself blind, must work in secrecy, for the Institute has forbidden the teaching of his method. The blind concert pianist, Therese von Kleinert, begins giving testimonies to Braille's method after each of her concerts. Emperor Louis Napoleon orders the method be demonstrated at the Paris Exposition of 1855. Braille, however, had died three years before of tuberculosis. (Junior High through Adult)

Unit Value

TRUCK FARMER (EBF)

11 minutes—sound $2.00 2
Treats the geography of the Rio Grande delta and provides authentic recordings of the problems and activities of a truck farmer and his family. The labor question with respect to the employment of Mexican families for field work is portrayed. Planting, irrigation, spraying, harvesting, packing, and shipping truck crops are shown in detail. (Elementary through Sr. High)

TRUE STORY ABOUT HOSPITALS, A (IMPACT FILMS)

11 minutes—sound—color $1.50 1.5
This film seeks to remove fears children may have about hospitals. By explaining everything that might happen to a child and giving him reasons for certain practices, the true story is presented and the fearful aspects removed.

TRUE STORY OF THE CIVIL WAR (McGRAW-HILL)

33 minutes—sound $6.00 6
Winner of the Academy Award for the best short documentary in 1956, this film is the actual record of the crucial Civil War period in our nation's past. Made up mostly of Matthew Brady's original wet plate photographs, it surveys the whole story of the war—its causes, its desperate, bloody battles, its leaders and its effect on the nation.

TUBERCULOSIS (EBF)

11 minutes—sound $2.00 2
Demonstrates the nature, transmission, diagnosis and treatment of pulmonary tuberculosis. It dramatizes the case of Mary Smith, a young girl who gets the disease from her aunt and goes to a sanatorium where she gets proper care and is cured. An excellent film for use in hygiene, human biology, and public health courses, as well as for general adult usage in public health education. (Jr. High through College)

TUNISIE, PERLE DU DJIRID (Tunisit, Pearl of the Djirid) (FA)

12 minutes—sound $2.00 2
The people of Tunisia are shown in their everyday way of living, working and worshipping. Native language and music included. Accompanying the film is a copy of the narration in English and French. (Sr. High and College)

TVA AND THE NATION (TVA)

20 minutes—sound—color $1.50 1.5
This film describes the national benefits of TVA's resource development program and uses the Tennessee Valley region as an example to show how strengthening of a region adds to national strength and security. (High School through Adult)

THE '29 BOOM AND '30's DEPRESSION (McGRAW-HILL)

14 minutes—sound $4.00 4
Re-creating the events of this period in American history, the film examines the prosperity and bloom of the 1920's with special attention to the factors which would later lead to the depression. Government legislation and regulation to end the depression and to help prevent future depressions are detailed.

Unit Value

TWINS, NATURE AND NURTURE

30 minutes—sound $5.00 5
Lecture by Dr. C. Stern. (College)

THE TWISTED CROSS (McGRAW-HILL)

54 minutes—sound $8.00 8
The rise and fall of a dictator is seen in this story of Adolf Hitler and the Nazi movement, as recreated almost entirely through captured German film.

TWO LITTLE RACCOONS (YA)

10 minutes—sound $2.00 2
An animal story for young children. The amusing adventures of Randy and Wilbur Raccoon, two young raccoon twins, and of all the things they see and do on a day away from home. (Primary)

TWO VIEWS ON SOCIALISM (CORONET)

16 minutes—sound $4.00 4
This is an important film for every American to see. It is specially designed to stimulate an intelligent discussion on the difference between socialism and capitalism. It will help students gain a necessary and clear understanding of socialism. The basic charges levelled by socialists against the capitalistic society are made and effectively answered in this film. (Jr. and Sr. High)

TYPING—BASIC (USOE)

30 minutes—sound $2.00 2
Demonstrates the proper posture, stroking of keys and the principal parts of the machine. (Sr. High and College)

UGLY DUCKLING (EBF)

11 minutes—sound—color $4.00 4
A charming adaptation of the classic fairy tale by Hans Christian Andersen. Highlights the adventures of a little swan who is raised with a brood of ducklings and rejected by all because he does not conform to the appearance of a duck. Finally, after many discouraging experiences the ugly duckling discovers his true status as a swan of beauty and dignity. (Primary)

UN GRAND VERRIER (A Great Glassblower) (FA)

12 minutes—sound $1.50 1.5
An outstanding artist-artisan is shown at work in the quarters of a glass factory, where he is permitted to carry on his original creations after hours. A large portion of the film has no verbal narration, but an original musical score to accompany the artist as he plans and executes his work of art. (Sr. High and College)

UNCONDITIONAL SURRENDER (NATIONAL FOUNDATION FOR INFANTILE PARALYSIS)

24 minutes—sound $1.50 1.5
A dramatic lesson in science, made easy for the layman, and of interest to professional groups. It pictures for the first time the step-by-step manufacture of the vaccine in a great pharmaceutical laboratory. It is a story of human interest, featuring colorful personalities: David Eisenhower and the President; Randy Kerr,

Unit Value

first to receive the vaccine in 1954; Dr. Jonas Salk, who put the vaccine puzzle together. This film is science made human, warm, and exciting. (Jr. High through Adult)

UNDERSTAND YOUR EMOTIONS (CORONET)

14 minutes—sound $3.00 3

A general understanding of emotions, what they are, where they come from and how they are changed is developed by this motion picture. It reveals that emotions have many effects on the body, both on voluntary behavior and on involuntary behavior. By showing different emotional responses to the same stimulus which is largely the result of conditioning, the film explains the process of conditioning at work—first in animals, then in human beings. (Jr. High and Sr. High)

UNDERSTANDING BASKETBALL (YA)

10 minutes—sound $2.00 2

An unusual film whose purpose is to explain the game of basketball to the *spectator.* A basketball coach explains the basic rules and play of the game, including such things as scoring, fouls, etc. He also points out the common rules of courtesy to be followed by spectators. (Elementary and Jr. High)

UNDERSTANDING YOUR IDEALS (CORONET)

14 minutes—sound $3.00 3

What are ideals? Why are they so important to well-being and happiness, and what do they have to do with character? These and other questions about ideals are answered in this film. A high school boy who has false conceptions of ideals finds the right objectives and goals for which to aim. Specifically, this motion picture tells and shows what ideals are, and how they influence and are influenced by character. (Jr. and Sr. High)

UNE FAMILLE BRETONNE (EBF)

11 minutes—sound $2.00 2

This French language film tells the story of family life on a farm in Brittany in Western France, including the work of each member of the family, and scenes of activities in the village school and neighboring town. Told in simple French. (Sr. High through Adult)

THE UNIT OF LIFE (AIBS)

28 minutes—sound—color $5.00 5

Guest Lecturer—Dr. H. Burr Roney, University of Houston. Discusses the nature of life and indicates the characteristics of living things. Illustrates the origin, characteristics, and functions of cells, and describes development of current concepts related to cells.

UNITED NATIONS IN WORLD DISPUTES (C)

21 minutes—sound $2.00 2

Reviews four major disputes that since 1945 have threatened world peace—Indonesia, Palestine, India and Korea—and demonstrates how the UN was successful in resolving each one. (Sr. High through Adult)

Unit Value

UNITED STATES (BIS)

44 minutes—sound $5.00 5
A documentary-type presentation of the historical development, economic forces, and sociological characteristics of the United States—yesterday and today. Perhaps the best presentation of the early history of America up through the Revolution yet produced, with the causes of the Revolution astonishingly candid. (Jr. High through Adult)

UNITED STATES EXPANSION: FLORIDA (Coronet)

13½ minutes—sound $3.00 3
Re-enactments at original sites bring alive the history of Florida from its discovery to its acquisition by the United States. The Spanish missionary period, and the English plantation era are covered. (Junior High, Senior High)

UNITED STATES EXPANSION: LOUISIANA PURCHASE (Coronet)

13½ minutes—sound $3.00 3
This film relates the history of the Louisiana Purchase to the story of westward expansion. Re-enactments at authentic sites create the background of purchase, exploration and settlement. (Junior High, Senior High)

UNITED STATES EXPANSION: NORTHWEST TERRITORY (Coronet)

13½ minutes—sound $3.00 3
Here is an exciting re-creation of events leading to the opening of the Northwest Territory to large scale settlement, including the work of the Ohio Company and the pattern of statehood established at that time. (Junior High, Senior High)

UNITED STATES EXPANSION: OREGON COUNTRY (Coronet)

13½ minutes—sound $3.00 3
Capturing the wealth and promise of the Oregon Country which attracted settlers from all walks of life, this film surveys key events in the region—the Lewis and Clark expedition, westward movement and U. S. acquisition. (Junior High, Senior High)

UNITED STATES EXPANSION OVERSEAS (1893-1917) (Coronet)

13½ minutes—sound $3.00 3
Against a background of changing policy about overseas expansion, we see the results of and problems connected with U. S. expansion into the Hawaiian Islands, Cuba, the Philippines, and countries of Central America. (Junior High, Senior High)

UNITED STATES EXPANSION: SETTLING THE WEST (1853-1890) (Coronet)

13½ minutes—sound $3.00 3
We see the largest region of the West settled and developed by early miners and cattle ranchers, and later by farmers and homesteaders, all visualized through re-enactments on original locations. (Junior High, Senior High)

Unit Value

UNITED STATES EXPANSION: TEXAS AND THE FAR SOUTHWEST (Coronet)

13½ minutes—sound $3.00 3
The development of this vast area is traced from early Spanish explorations through the Texas Revolution, the Mexican War, and admission of Texas as a state to the opening of the Far Southwest to American immigration and settlement. (Junior, Senior High)

U. S. COMMUNITY AND ITS CITIZENS (UWF)

20 minutes—sound $4.00 4
The fact that all of man's needs cannot be satisfied directly from the earth and that to supply many of these needs, people live together in communities is lucidly portrayed in the film. In a community which has thousands of counterparts throughout this country and many parts of the world, we see the actual functioning of community life and services as we spend a day with a group of school children who are making a survey of their town as a school project. (Elementary through Adult)

UNIVERSAL GRAVITATION (PSSC)

30 minutes—sound $5.00 5
The law of universal gravitation is derived by imagining a solar system of one star and one planet. Professors Hume and Ivey as inhabitants of planet X describe the process by which they derived the law in their solar system. The kinematics and dynamics of planetary motion are demonstrated using various models to discuss a solar system. Satellite orbits are displayed using a digital computer.

UP IN THE BORDER COUNTRY (NFBC)

15 minutes—sound—color $1.50 1.5
The central-circle tour, from the northern States to southwestern Ontario, Manitoba, and return, is drawing more pleasure-bent visitors than ever before. This film provides an enticing sampling of what such a tour holds in store for the vacationer as it accompanies a family from Rockford, Illinois, who set out with tent, boat, and car across the friendliest border in the world.

USING ANALYTICAL TOOLS (McGRAW-HILL)

14 minutes $3.00 3
By demonstrating a typical student problem, the film shows how various counseling tools and techniques are applied. Used intelligently, these tools provide the basic information which enables the counselor and student to take the first step in the counseling process—identifying and analyzing the problem. Correlated with Williamson: *Counseling Adolescents.*

USING THE BANK (EBF)

10 minutes—sound $2.00 2
By means of animated drawings, live action photography and direct sound, this film dramatizes the ways in which banks perform savings account, checking account and loan services for the citizen. Close-up photography gives students an intimate acquaintance with many banking operations making relevant arithmetic problems more meaningful. (Elementary through Sr. High)

Unit Value

USING THE CLASSROOM FILM (EBF)

22 minutes—sound $4.00 4
Demonstrates an approved procedure for teaching with motion pictures. The film used for demonstration is Wheat Farmer. (College and Adult)

VACUUM TUBE IN RADIO (EBF)

10 minutes—sound $2.00 2
Animated drawings clearly show the way in which vacuum tubes work. The three functions of the vacuum tube in radio are carefully explained; how it serves in amplifying current to operate the loudspeaker, how it is used as a rectifier in detection, and how it is used as an oscillator tube in the transmission station to produce the carrier wave. (Sr. High and College)

VARIEGATED PERICARP AND UNSTABLE ALLELE IN MAIZE

30 minutes—sound $5.00 5
Lecture by Dr. R. A. Brink. (College)

VECTOR KINEMATICS (PSSC)

16 minutes—sound $5.00 5
Velocity and acceleration vectors are introduced and shown simultaneously for various 2-dimensional motions including circular and simple harmonic. The vectors are computed and displayed as arrows on a cathode ray tube screen by a digital computer, and their relationships are discussed. (High School)

VECTORS (PSSC)

28-minutes—sound $5.00 5
Vectors are demonstrated in a high school classroom. Rubber models are used to show vector displacement in two and three dimensions. Vector addition, scalar multiplication of a vector and other concepts are introduced. (High School)

VELOCITY OF CHEMICAL REACTIONS (EBF)

10 minutes—sound $2.00 2
Describes, with photography and animation, the effect of the nature, concentration, and the temperature of reacting substances on the rate of chemical reactions. Practical examples with wood, aluminum, iron, and other substances are given to illustrate these phenomena. The dynamics of reversible reactions and of chemical equilibrium are shown by schematic drawings that give clear conceptions of rather abstruse processes. (Sr. High and College)

VENICE—QUEEN CITY OF THE ADRIATIC (EBF)

11 minutes $2.00 2
Portrays the distinctive features of this city "built on islands." Modern Venice is made understandable in terms of the city's origin, its rise to power and wealth through trade, its decline with the coming of new trade routes, and its survival as a thriving and impressive city through adaptation to new conditions. (Middle, Jr. High, Sr. High, Adult)

Unit Value

VERBS: RECOGNIZING AND USING THEM (Coronet)

11 minutes—sound—color $4.00 4
Collaborator: J. N. Hook, Ph.D., Professor of English, University of Illinois. Done completely in animation, this film shows how to identify the complete subject and the complete predicate of a sentence. We see how to recognize the verb, and how to recognize three distinct functions of verbs in sentences. Effective recognition and use of verbs is encouraged.

VERBS: PRINCIPAL PARTS (Coronet)

11 minutes—sound—color $4.00 4
Collaborator: J. N. Hood, Ph.D., Professor of English, University of Illinois. Knowing the principal parts of verbs makes it easier to use verbs correctly. Done completely in animation, the film shows that the present, past, future, and perfect tenses of regular and irregular verbs are based on the three principal parts. We are encouraged to practice in order to become familiar with and accurate in the use of irregular verbs.

VIBRATION OF MOLECULES (JOHN SUTHERLAND)

14 minutes—sound—color $1.50 1.5
Illustrates the vibrational motion of a molecule using the simple vibrational form of diatomic molecules and the general vibration of the formamide molecule. Demonstrates the determination of the number of normal modes of a molecule. Shows the relation between symmetry and the normal modes of vibration of methane. Explains quantization energy.

VICIOUS CIRCLE (USDA)

21 minutes—sound—color $1.50 1.5
This picture portrays the avian type of tuberculosis, which causes an annual loss of several million dollars to owners of chickens and hogs.

VICTORY IN EUROPE (McGRAW-HILL)

28 minutes $7.00 7
The film covers the military situation as of December, 1944, when the Allied armies had drawn up to the German border, poised for the final assault, and describes the maneuvers and battles that crushed the Nazi empire.

THE VIKINGS AND THEIR EXPLORATIONS (Coronet)

11 minutes—sound $2.00 2
In this film, home life, manners, dress, and daring explorations by the Vikings are recreated, culminating in Leif Erickson's discovery of North America nearly 500 years before the voyage of Columbus. (Intermediate, Senior High)

VILLAGE SCHOOL (BIS)

12 minutes—sound $1.50 1.5
This film beaming with human interest, humor, and pathos shows how the children of England are bearing up under the terrific strain. Should be shown to groups for its character-training value. Our students of education, both in-training and in-service can see themselves as the camera sees them and can better understand the philosophies of education of this country by studying the philosophies of others. (Jr. High through Adult)

Unit Value

VIRUS GENETICS: BACTERIOPHAGE

30 minutes—sound $5.00 5
Lecture by Dr. J. Lederberg (College)

VIRUS GENETICS: PLANT & ANIMAL VIRUSES

30 minutes—sound $5.00 5
Lecture by Dr. J. Lederberg. (College)

VISION IN THE FOREST (USDA)

5 minutes—sound—color $1.50 1.5
Features Vaughn Monroe and his family enjoying a camping trip in the forest. The Monroe family shows how we can all cooperate with Smokey the Bear to prevent forest fires from getting started in our forests. (Inter., Jr. High)

VISIT FROM ST. NICHOLAS, A (Coronet)

4 minutes—color $2.00 2
This perennial favorite will add much to Christmas programs, class parties, and church programs. Produced in delightful animation, the film retells the story of the midnight visit of St. Nicholas. (All Grade Levels)

VISIT TO IRELAND (Coronet)

10 minutes—sound $2.00 2
Providing a substantial background of general information on Ireland and its people is the primary objective of this film. Audiences will see how the people in Ireland live, travel and trade in the picturesque setting of Ireland's mountains, lakes, valleys and hill lands. An excellent introduction to Ireland's literature is provided by picturing the land and activities that inspired so much of the country's poetry and writings. (Elementary)

"A VISIT TO LONDON IN 1860 WITH GUSTAVE DORE" (IND)

12 minutes $3.00 3
Departing from his usual role as a portrayer of the fantastic, Gustave Doré is presented in the film as a reporter watching life in London and showing it in great detail. Here Doré pictures the violent contrasts in the life of all its people from the highest to the lowest. . . .

VISIT TO PUERTO RICO (IFB)

17 minutes—sound—color $5.00 5
Initial scenes establish Puerto Rico's location, population, racial heritage, geography and topography. Chief crops and farming methods are surveyed. In San Juan and other major cities we see the lingering influence of Spanish tradition, and the widespread modern developments and prosperity that have resulted from the island's development program.

VISIT WITH COWBOYS (EBF)

10 minutes—sound $2.00 2
A city boy visits a real western ranch for the first time in his life and sees cowboys rounding up, roping and riding horses; watches cowmen roping and branding calves; meets a fence rider

Unit Value

at work; helps to shoe and feed horses; and ends his visit in the excitement of a big-time rodeo. (Primary and Elementary)

VISUAL PERCEPTION (McGRAW-HILL)

20 minutes—sound—color $1.50 1.5
Visual Perception—with Dr. Hadley Cantril of Princeton—distortions which result from faulty assumptions are demonstrated with spectacular results by a prominent psychologist; the importance of sound assumptions to the success of scientific method is emphasized.

VISUAL PERCEPTION: THE SEARCH: OHIO STATE (McGH)

27 minutes $7.00 7
A documentation of the work of Dr. Samuel Renshaw and others in the field of visual perception.

VITAMIN RIVERS

22 minutes—sound—color $1.50 1.5
Shows how great advances in canning processes have made possible the development of vast areas of the United States and in turn, how this development has promoted the health of the people of the nation. (Jr. High through Adults)

VOCABULARY SKILLS (Coronet)

11 minutes—sound $2.00 2
The reader in the film begins to improve his vocabulary when he realizes that his limited stock of words restricts his reading effectiveness. Thus we learn that vocabulary improvement is a personal matter and must be undertaken with special diligence. The specific skills and exercises required to develop a better vocabulary are outlined in detail. (Intermediate, Jr. High, Sr. High)

VOLCANOES IN ACTION (EBF)

10 minutes—sound $2.00 2
Presents the history, causes, distribution, and effects of volcanic action. Animated drawings describe the formation of batholiths; dikes; sills; laccoliths; mineral deposits; cinder, and lava cones; lava sheets; and volcanic eruptions, with special reference to Krakatau. Actual photography illustrates the same phenomena. The destructive forces of volcanoes in eruption are shown. Sound effects enhance the dynamic appeal of the film. (Jr. High through College)

VOCAL MUSIC (EBF)

10 minutes—sound $2.00 2
Describes the basic techniques of singing such as good posture, controlled breathing, relaxation, use of resonators, and clarity of diction. Emphasizes the joys to be found in singing, as well as the work necessary to produce a trained voice. Reviews the structure of the vocal instrument and illustrates common faults found in beginning students of vocal music. Several examples of good vocal music are included. (Jr. and Sr. High)

VOLLEYBALL FOR BOYS (Coronet)

10 minutes—sound $2.00 2
This film is a challenge to both the beginner and the expert. It

Unit Value

demonstrates how to serve, volley, and spike the ball covering the methods of offensive and defensive play by regular and slow motion photography. It includes ways of modifying the game to make it suitable for the age and size of the playing group. This gives the film an unusually broad application. (Jr. and Sr. High)

WALT WHITMAN: BACKGROUND FOR HIS WORKS (Coronet)

13½ minutes $3.00 3
Whitman's life and his America show how the poet's works were strongly influenced by significant changes in nineteenth-century America. (Junior High, Senior High)

WANTED: PLANT PEST DETECTIVES (USDA)

14½ minutes—color $1.50 1.5
Explains that the public's assistance is needed in helping to track down dangerous foreign plant pests that may have got into our country. Shows what State and Federal governments are doing on pest detection to protect American agriculture.

WAR CAME TO AMERICA (AFS)

Part I 20 minutes—sound $2.00 2
Shows, through scenes taken from theatrical motion pictures the outstanding historical events in the establishment of the U.S. (Jr. High through Adult)
Part II 30 minutes—sound $2.00 2
Tells the story from September 1939 until December 1941. (Jr. High through Adult)

WAR IN EUROPE (C)

11 minutes—sound $2.00 2
This film has historical value in that it shows the invasion of Poland, declaration of war by Britain and France, and other war scenes. (Jr. High through Adult)

THE WAR OF 1812 (Coronet)

13½ minutes $3.00 3
Explaining the causes, broad strategy and ultimate results of the War of 1812, this film relates the war to the Napoleonic era, shows American reaction to it, and discusses its effect on U.S. relations with Canada. (Junior High, Senior High)

WASHINGTON, D. C.: STORY OF OUR CAPITAL (Coronet)

11 minutes $2.00 2
This early history of Washington, D. C. will create appreciation of the city's development and its significance as a center of government and culture. (Intermediate, Junior High, Senior High)

WASHINGTON IRVING (EBF)

20 minutes—sound $4.00 4
Delightfully brings to life significant episodes in the life of Washington Irving, the first American to receive prominent recognition in the world of literature. Traces Irving's early life in New York as a lawyer and then as a writer. Describes his travels and life abroad, highlighting the incidents on which hinged the writing of his best known literary works. (Jr. High through Adult)

Unit Value

WASHINGTON, THE NATIONAL CAPITAL (C)

10 minutes—sound $2.00 2
Shows Pennsylvania Avenue from the Capitol to the White House. State, Navy, and War Departments, the Treasury, Bureau of Printing and Engraving, prominent monuments and other spots of interest. (Elementary through Sr. High)

WASHINGTON'S FAREWELL TO HIS OFFICERS

27 minutes $5.00 5
December 4, 1783, General Washington bids farewell to his officers at Fraunces Tavern. (Jr. High, Senior High)

WASTE NOT, WANT NOT (NAWMD)

21 minutes—sound—color $1.50 1.5
Presents the story of reprocessed wool and reused wool. Urges the conservation of waste woolen materials and shows how these materials are reprocessed and used in the clothing and other products. (Jr., Sr. High through Adult)

WATCH OUT FOR OLLIE (NCEA)

28 minutes—sound $1.50 1.5
This film tells the story of a small American boy and how he sways public opinion about bond issue by winning the heart of a businessman.

WATCH THAT QUOTATION (Coronet)

10 minutes—sound $2.00 2
Importance of quoting accurately, the general importance of authority behind statements, how to quote in speech and in writing and how to read and to listen to quotations are taught by this film. After viewing the picture, your class members will *watch that quotation* wherever it is found. (Elementary)

WATER BIRDS (EBF)

11 minutes—sound $2.00 2
Photographic sequences depict the physical characteristics, habits, environment, adaptivity and care of young of the egret, the mallard duck, the Canada goose and the brown pelican. Shorter sequences depict selected facts about the lesser scaup and the flamingo, the winter and summer homes of the Canada goose and the principal migration route. (Elementary through Sr. High)

WATER CYCLE (EBF)

10 minutes—sound $2.00 2
Traces movement of water through its cycle of eternal change from ocean to sky and back to the ocean. Relates evaporation, saturation, condensation and precipitation and in simple terms clearly explains the principles underlying these phenomena. Animated drawings reveal how the water table forms and how water passes through plant bodies and returns to atmosphere. Natural photography vividly depicts surface run-off from the raindrop to the ocean and use of plants and dams to control this run-off. (Elementary through Sr. High)

Unit Value

WATER FOR FARM AND CITY (USDA)

14 minutes—sound $1.50 1.5
Shows the effect of water on land and people. Areas which never have enough water, where people have to buy even the water they drink; areas which have more water than they can use; those where water comes all at once; and those where nature herself helps control a year-round supply. (Jr., Sr., College, Adult)

WATER IN THE AIR (EBF)

11 minutes $2.00 2
Two boys on a farm learn about the water cycle by observation and experimentation. They learn that water gets into the air by "evaporation." Heat is necessary for evaporation. Water vapor is changed to drops of visible water and forms clouds, fog, dew or rain, to be evaporated into the air again. (Primary, Middle)

WATER POWER (EBF)

10 minutes—sound $2.00 2
The concept of potential power from water is introduced by the water cycle which furnishes a never-ending source of power. It is shown how rapids and waterfalls, by use of this, were changed from hindrances to aids to man's progress. The body of the picture traces the development of water power, chiefly in the U. S. from the small mill of the early colonists to such modern projects as Niagara, Boulder Dam and the Tennessee Valley. There is an informative sequence on the transformation of kinetic energy of the waterfalls into potential energy through the hydro-electric plant. Concludes with a world-wide survey of potential water power. (Sr. High)

WATER WORKS FOR US (YA)

10 minutes—sound $2.00 2
Illustrates the many ways in which water works for us in our everyday life. Explains the concept of water pressure, including the factors which govern it. Explains how water works for us in and outside the home as a liquid, as a gas, and as a solid. (Elementary and Jr. High)

WATERWAY HOLIDAY (NFBC)

30 minutes—color $1.50 1.5
The Trent and Severn River waterway system cuts through some of the loveliest lakeland scenery of southern Ontario. Traveling this water highway, connected by a series of locks, is a memorable experience in the film for a family from upper New York State who cover the route by cabin cruiser. It shows many scenes along the way such as Serpent Mounds Provincial Park, Kawartha Lakes, and the recreated Huron Indian village at Midland.

WATERWAYS AND FLYWAYS OF THE NORTH (NFBC)

19 minutes—sound—color $1.50 1.5
This film explores some of the summer and autumn satisfactions that visitors from far and near discover for themselves in this new vacation area. Easily accessible by provincial highway, the region offers accommodation to suit every taste—comfortable lodges, well equipped housekeeping cottages for the

Unit Value

whole family, and camping provisions for the real outdoorsman.

"WATTEAU'S FETES GALANTES" (IND)

12 minutes $3.00 3
This film concerns two French artists. One, the painter Watteau; the other, the poet Paul Verlaine. The blending of these two talents came about one day when Verlaine chanced to see an exhibition of work by Watteau. He was so impressed he wrote a series of poems called "Les Fètés Galantes." Here are combined the works of both artists.

WATUSSI OF AFRICA (EBF)

11 minutes—sound $2.00 2
An excellent film showing the daily life of the Watussi tribe of East-Central Africa. (Elementary through Adult)

WAYS TO GOOD HABITS (CORONET)

10 minutes—sound $2.00 2
Children in the lower grade levels are developing the habits which they will have throughout their lives. Instead of merely reiterating the old theme, "Don't do that—that's a bad habit!," this constructive guidance film shows the importance of good habits. Through real, clearly understandable situations it demonstrates how to substitute good habits for bad ones and motivates students to build good habits of their own. (Primary, Intermediate)

WAYS TO SETTLE DISPUTES (CORONET)

10 minutes—sound $2.00 2
With this film as a teaching device, disputes can be discussed with a minimum of emotional involvement. Students will see how disputes waste time and rob them of fun. It demonstrates that settlement of disputes must involve give and take, and it emphasizes that the settlement of disputes must be desired if it is to be achieved. Compromise, obey the rules, find the facts and find opinions are given as four ways of settling disputes. (Primary, Intermediate)

WE DISCOVER THE DICTIONARY (CORONET)

10 minutes—sound—color $4.00 4
10 minutes—sound—b&w $2.00 2
Three students are assigned the task of writing a letter to a police sergeant. By the time the letter is finished they have learned a great deal about dictionaries, including the use of the guide words, finding the spelling of words, definitions, reading diacritical marks, and that there are many kinds of dictionaries. (Elementary through Adult)

WE EXPLORE THE BEACH (CORONET)

10 minutes—color—sound $4.00 4
This is the story of Betty and Billy as they walk along the beach, discovering many things—a bird's nest, seashells, water animals. As the children play among the tall grasses, as they watch the seagulls feed, they become aware that the beach is alive with plants and animals; that the sea, itself, is rich with life. The film story is one that will create for the child a

Unit Value

visual background and deep appreciation for life in and near the sea. (Primary)

WE GO TO SCHOOL (CORONET)

10 minutes—sound $2.00 2

Few children are actually "prepared" for school. There are many adjustments each child must make—and they are seldom easy, so this film is designed specifically to help teachers bring an understanding of school to their classes. Children are shown how to make the normal adjustment from a home to school environment and how a sense of "belonging" is fostered and an attitude of cooperation is stimulated. (Primary)

WE PLAN TOGETHER (TEACHERS COLLEGE)

20 minutes—sound $4.00 4

Prepared to help teachers-in-preparation and teachers-in-service, as well as interested laymen and students, gain a better understanding of the process of cooperative planning in education. It shows an eleventh grade planning cooperatively for learning in their core class over a period of several months. (College and Adult)

WE THE PEOPLES (YA)

10 minutes—sound $2.00 2

An orientation film designed to show the various purposes and functions of the United Nations Organization. Through the combined use of live action and selected animated charts, the film describes fully the basic functions of the six major divisions of the United Nations. (Elementary through Sr. High)

WESTWARD GROWTH OF OUR NATION (1803-1853) (CORONET)

11 minutes $2.00 2

This is the exciting story of the struggles and conflicts, of the treaties signed, and of the brave pioneers who explored and settled the West in the first part of the last century showing how various great regions became part of our country. (Intermediate, Junior High)

WE VISIT THE SEASHORE (YA)

10 minutes—sound $2.00 2

This film tells the story of a typical day's activities of two young children at the seashore (one a visitor for the first time), how they play in the sand and the water, and the various things they do and see. (Primary)

WEATHER (EBF)

10 minutes—sound $2.00 2

Explains the Polar Front weather theory and describes meteorological instruments and methods and cloud formations. Animated drawings, curves, and maps are shown. (Jr. High through Adult)

WEIGHING WITH THE ANALYTICAL BALANCE (EBF)

18 minutes $4.00 4

Explains the practical value of the analytical balance, which can weigh objects to an accuracy of one 5-millionth of a pound. Points out and explains the various parts of the instrument and

Unit Value

demonstrates the basic principles and procedures involved in its use. Analyzes each step in using the balance to weigh a sample of sugar. (Jr. High, Sr. High)

WEIGHT EVENTS (EBF)

11 minutes—sound $2.00 2
Demonstrations of the shot put, discus throw, hammer throw and javelin. Slow motion photography and repetition are used. The general poise of the body, the method of using the arm, and the leg action are clearly demonstrated for all throws. Two styles of form are given for the javelin throw and the discus sequence. (Sr. High and College)

WEIGHTS AND MEASURES (EBF)

14 minutes—sound $2.00 2
The film reviews some of the familiar weights and measures which simplify our daily activities—cups and spoons to measure ingredients for cooking; quart, gallon, and bushel containers for marketing foods; and maps to measure distances in miles. The purpose of the measurement in each case determines the kind of weight or measure to be used. To make it more interesting, it follows the activities of a small boy, Tom, as his father measures to build a model railroad, and his visit to his uncle's farm. (Elementary and Jr. High)

WEST INDIES (EBF)

10 minutes—sound $2.00 2
Portrays the principal West Indies Islands. Shows strategic importance to the Western Hemisphere trade, economy, etc. Character of tropic islands. Recent modern trends are indicated. (Jr. High through Adult)

WESTERN EUROPE: AN INTRODUCTION (CORONET)

10 minutes—color—sound $4.00 4
An introduction to the basic geographic concepts of eleven countries in Western Europe, this film vividly presents the complexity of various countries and peoples; the dense population; the careful and varied uses of the land in relationship to the climate; the importance of manufacture and trade and also the close link between the history and geography of Europe to the Western world. (Intermediate, Junior High, Senior High)

WESTERN EUROPE—Factories, Mines and Waterways (UWF)

20 minutes—sound $4.00 4
Heavy industry tends to develop in areas which have easy access to sources of raw materials, labor supply and markets. Alsace-Lorrane is one of the the most highly industrialized regions in the world. Abundant coal deposits and nearby iron mines are linked by railroads and waterways with manufacturing cities and seaports. This film accompanies the captain of a coal barge on his trip from Strasbourg to Pont-a-Mousson, on the Rhine Marne Canal. (Elementary through Adult)

WESTERN GERMANY: THE LAND AND THE PEOPLE (CORONET)

10 minutes—color—sound $4.00 4
We see the industrial, agricultural and commercial life of Western Germany in relationship to the dense population, natural

Unit Value

resources and relatively infertile soil of this area. The importance of coal, farming, trade and synthetic products to the development of this country is vividly shown against the background of its present-day economy. (Intermediate, Junior High, Senior High)

WESTWARD MOVEMENT (EBF)

11 minutes—sound $2.00 2
Presents in dynamic animation on a heroic scale the westward migration of people across the United States from the period of about 1790 to 1890. By use of animation great masses of data and broad mountain top views of the greatest and most dramatic of all human migrations are presented. (Elementary through Sr. High)

WHAT ARE DECIMALS? (EBF)

12 minutes $2.00 2
By use of examples from child life, the significance of the position of the decimal point and the practical advantages of the decimal system are explained. The emphasis throughout the film is on the physical significance of the measurements of quantities discussed, so that meaning, not memorization, results. (Middle)

WHAT ARE TEACHING MACHINES (NCEA)

28 minutes—sound $1.50 1.5
Leading educators take a practical look at education as they discuss mechanical teaching devices and other problems confronting today's school.

WHAT GREATER GIFT (NCEA)

28 minutes—sound $1.50 1.5
A motion picture dramatizing the teacher as a professional person. It is no longer true nor was it ever in fact, that "just anybody can teach school." Today's teachers needs professional preparation to acquire the understandings and skills essential to good teaching. To dramatize the teacher as a professional person and show something of what teaching is all about is the purpose of this new motion picture.

WHAT HAPPENS IN HAMLET (EBF)

30 minutes—sound—color $8.00 8
The major characters, the major movements and their relationship with one another are discussed.

WHAT IS A CELL? (AIBS)

28 minutes—sound—color $5.00 5
Guest Lecturer — Dr. Peter Rasmussen, Kansas University. Discusses research in understanding cells, and cell parts and their function in cell activities. Introduces techniques of investigation and describes applications of light microscopes and chemical techniques to cell research.

WHAT IS A CONTRACT? (CORONET)

10 minutes—sound $2.00 2
Two youngsters take summer jobs to buy the things they've always wanted, only to find themselves jobless and debtors in

Unit Value

the middle of the summer. But by a contract their problems are happily solved. Through this story, your students will have a splendid opportunity to study the elements of mutual assent, competent parties, legal bargain and consideration in both oral and written contracts. (Sr. High)

WHAT IS A CORPORATION (CORONET)

10 minutes—sound $2.00 2
The three principal forms of business ownership: single proprietorship, partnership, and corporation. In a presentation that everyone will understand, the study of business ownership is introduced . . . the advantages and disadvantages of each type shown. (Jr. and Sr. High)

WHAT IS A GOOD OBSERVER? (Ind. U.)

27 minutes—sound $7.00 7
Considers the differences between a good and a bad observer and relates this to talking sense. Shows how observation is generally made in terms of similarities. Stresses that ability to see differences is also important. Shows that the good observer bases his conclusion on all of his observations while the poor observer only reaches limited conclusions based on his observations. Argues that our habits of observing affect the way we talk. Suggests that the consequence of talking based on observation of similarities alone is a limitation of our awareness of the world while talk grounded in observation that also considers differences is a mark of the mature mind. (College and Adult)

WHAT IS A MAP (YA)

10 minutes—sound $2.00 2
A small girl writes to her friend and explains what her bedroom looks like. By use of animation and special photographic techniques, the concept of maps is introduced and explained, first in terms of a plan of a living room, then in terms of a map of the neighborhood. (Elementary)

WHAT IS ELECTRICITY? (EBF)

14 minutes—sound $3.00 3
Investigations demonstrated in the film provide a background for considering the nature of electricity. The film presents classical electrostatic experiments. Provides accounts of electromagnetism in the experiments of Oersted and Faraday. Illustrates some of the achievements of our civilization by showing industrial applications such as motors and generators. Explains through diagrams the organization of atoms. (Jr. and Sr. High School) (Physics)

WHAT IS FOUR? (YA)

15 minutes—sound $3.00 3
This film is designed for beginning studies in number-work. The relationship, of 4 to 1, 2, 3, 4, 5, is studied from every aspect with the aid of blocks, sticks, etc. (Primary and Lower Elementary)

WHAT IS MONEY? (CORONET)

10 minutes—sound $2.00 2
Following the journey of a five-dollar bill through many transactions, we see how money functions as a standard of value,

Unit Value

standard for future payment, storehouse of value, and convenient medium of exchange for goods and services. In addition, we trace the evolution of our monetary systems from the days of primitive barter, and we see how checks serve today as a substitute for money. (Elementary)

WHAT IS SCIENCE? (CORONET)

11 minutes—sound $2.00 2
In a simple story this film illuminates the meaning of the word. It presents the application of the "scientific methods," which embraces the major steps; curiosity, observation, hypothesis, testing of hypothesis and conclusion. The "road to science" is presented as an unending, ever-fascinating trail through the ages. (Jr. and Sr. High)

WHAT IS SOIL? (FILMS, INC.)

10 minutes—sound $2.00 2
Emphasizes that while soil is essential to all living things, they in turn, after their life is done, contribute to the formation of soil. Bobby decided to find out if he can grow beans in soil he makes himself. He finds that he can. While he waits for his beans to grow he learns how soil is really formed over the millions of years and how all living things depend on soil and contribute to its formation. (Primary through Adult)

WHAT IS SOUND? (YA)

10 minutes—sound $2.00 2
This film provides an elementary discussion of the nature, source and transmission of sound waves. (Elementary)

WHAT MAKES A DESERT? (YA)

10 minutes—sound $2.00 2
Explains and illustrates the geographic and climatic factors that create a desert area, with particular reference to the deserts of the southwest United States. Uses a combination of photography and animation to discuss such factors as prevailing wind, mountain barrier, etc. Also points out how desert land can be reclaimed by irrigation. (Elementary)

WHAT MAKES ATOMS STICK TOGETHER? (Ind. U.)

27 minutes—sound $7.00 7
Considers the composition and internal behavior of atoms. Demonstrates the peculiar wave and particle nature of the atoms' components. Discusses what holds atoms together. (College and Adult)

WHAT MAKES DAY AND NIGHT? (YA)

10 minutes—sound $2.00 2
Shows why we have alternation of day and night as well as the reason why the sun can shine only on one-half the earth at a time. (Elementary and Jr. High)

WHAT THEY ARE AND WHAT THEY DO (EBF)

30 minutes—sound—color $8.00 8
Using examples of literature, photography and music, Clifton Fadiman points out the dissimilarities and complementary features of the humanities and the sciences.

Unit Value

WHAT TIME IS IT? (CORONET)

10 minutes—sound $2.00 2
As Barbara plans and prepares for her approaching birthday party, she learns to tell time by the clock and by the calendar. The film uses many fascinating participation devices as it teaches how the ability to tell time helps us work together, as well as teaching directly the skills needed to answer the question, "What time is it?" (Primary)

WHAT TO DO ON A DATE (CORONET)

10 minutes—sound $2.00 2
Shows how to plan dates that satisfy both the boy and the girl and the wide range of activities available to high school students who want to make dating an entertaining, enjoyable and constructive social custom. (Jr. High through Adult)

WHEAT FARMER (EBF)

11 minutes—sound $2.00 2
Portrays the life of a wheat farmer and his family in a typical midwestern area. Preparing the soil, and planting winter wheat are shown, along with other farm activities, milking, cooking, and general repair work. 4-H Club activities, labor problems, modern combine harvesting, and home life are delineated. Transportation of the harvested wheat to the town elevator for shipment to the flour mill is treated. Reproduced conversations describe typical farm problems. (Elementary through Sr. High)

WHERE DOES IT GET YOU? (FP)

20 minutes—sound $2.00 2
For teen-agers—this film on alcohol education shows that science proves that alcohol is a drug and not a food, a depressant and not a stimulant, a narcotic poison injurious to the human mind—man's most precious possession. (Sr. High and College)

WHERE WERE YOU? (FORD)

28 minutes—sound $1.50 1.5
This film was prepared during 1960 to meet the demand for information on political processes in a Presidential election year. It describes how political parties choose candidates, nominate through primaries, and campaign for election.

WHERE'S THE BUNNY? (Ind. U.)

14 minutes—sound $3.00 3
Rusty the Rooster and the kittens are playing a wild game of tag as the film opens. To quiet them, the Friendly Giant reads "Where's the Bunny?" by Ruth Carroll, published by the Oxford University Press. Still full of life, the kittens climb over the giant's shoulders as he reads. At the end of the story, Rusty tags the Friendly Giant "it."

THE WHITEHOUSE, PAST AND PRESENT (CORONET)

13½ minutes $3.00 3
Against the background of famous rooms and offices rarely seen by the public, the film captures the drama and history of America's past which is embodied in the White House. (Intermediate, Junior High, Senior High, College)

Unit Value

WHO IS PETE? (NCEA)

28 minutes—sound $1.50 1.5
An illustration of the value of school testing programs as Pete's parents discuss his learning problems with teachers and school officials.

WHO MAKES WORDS? (CORONET)

10 minutes—sound $2.00 2
In this film story, your class will seek a new word to describe the pastel-colored "blackboard" which has just arrived. In their quest for this new word they're led to investigate the source of other words and to discover that some are "borrowed," some are simply "invented," still others come about through changes in spelling or meaning. Through their search they learn the important means by which our language grows. (Elementary)

WHO'S BOSS? (McGRAW-HILL)

16 minutes $3.00 3
Compromises and adjustments are necessary in maintaining a happy marriage relationship. This film emphasizes the need to think of oneself as a member of a partnership first and as an individual secondarily. It shows how patience, love and understanding help achieve a good balance where neither is boss, but both are partners.

WHY ARE ATOMS UNPREDICTABLE? (Ind. U.)

27 minutes—sound $5.00 5
Discusses man's age-old belief that the future is predictable, like the stars. Stresses that modern study of atoms reveals their behavior to be as puzzling as human behavior. Maintains that atomic research points to at least this much reason for optimism: "The future is uncertain."

WHY DO PEOPLE MISUNDERSTAND EACH OTHER? (Ind. U.)

27 minutes—sound $5.00 5
Analyzes how words may lead to misunderstanding when people talk with each other. Demonstrates that the meaning of words is not fixed and that in themselves words contain no meaning. Yet, listeners often worry more about what words mean than what speakers mean. Misunderstanding . . . tension . . . conflict . . . are consequences of listeners concentrating on words and interpreting them in their own way. Suggests that effective communication takes a willing listener and a speaker eager to make himself understood. (College and Adult)

WHY OF AUTOMOBILE LUBRICATION (BM)

24 minutes—sound—color $1.50 1.5
With the aid of close-up shots of automobile moving parts and clever animation, the film presents a rather technical subject in terms that the average citizen can understand. It shows how tightly the engine, transmission, differential and chassis of a modern automobile are put together, and describes the double service required of engine oil. (Jr. High through Adult)

WHY PUNCTUATE? (YA)

10 minutes—sound $2.00 2
An orientation film designed to motivate and introduce (or

Unit Value

review) the study of punctuation. Stresses the importance of good punctuation in our everyday business and social life, and summarizes the basic rules for use of the most important punctuation marks. (Elementary through College)

WHY STUDY FOREIGN LANGUAGES? (CORONET)

10 minutes—sound $2.00 2

Don Baker can't see any use in studying foreign languages . . . until his brother Dick returns from a trip to Europe and convinces him that he is wrong. As this film unfolds, it demonstrates how knowledge of foreign languages contributes to enjoyment of travel, success of commerce and harmonious international relations . . . shows that this knowledge is necessary to the full appreciation of many great literary works . . . gives your students a new concept of the importance of foreign languages to themselves. (Jr. and Sr. High)

WHY STUDY LATIN (CORONET)

10 minutes—sound $2.00 2

The camera visits a high school Latin class where the teacher and several of the students explain why studying Latin is important to them. The values of Latin to an understanding of history, and appreciation of literature and a mastering of English, plus the practical usefulness of Latin to many professions are interestingly presented. (Jr. and Sr. High)

WHY WE RESPECT THE LAW (CORONET)

14 minutes—sound $3.00 3

As one of the cornerstones of our democracy, law must work. And if law is to work there must be respect for law. Therefore this film strikes at the heart of teaching democracy. Its main theme is the development of an attitude of respect for all law—big and little; a habit of obedience without compulsion. Dramatic highlights in this film teach the social need and the individual need for respect for law. (Jr. and Sr. High)

WILDACRES: THE YOUTH CONFERENCE STORY (CIVITAN)

15 minutes—sound—color ..... Free

The Board of Governors of the Civitan Youth Conference with the cooperation of the North Carolina District of Civitan and the I. D. Blumenthals put the Youth Conference Story on film in 1961. It shows the delegates and staff in action. Civitan Griffin Campbell narrates the story of this Civitan project in building good citizenship.

THE WILDERNESS TRAIL (USDA)

13½ minutes—sound—color $1.50 1.5

This beautiful color film takes the viewer on a trip through the Bridger Wilderness in Wyoming—a rugged area in the Rocky Mountains which has remained virtually unchanged for centuries. No refreshment stands, no roads, no commercial logging is permitted in this area where water, wildlife, and a sense of creation abound. The sources of pure enjoyment are everywhere—swimming, fishing, horseback riding, exploration, and wonder.

Unit Value

WILDLIFE AND THE HUMAN TOUCH (USDA)

19 minutes—sound—color $1.50 1.5
The National Forests are one of the largest and most important wildlife producing areas in the country still available to the public for recreational use, including hunting and fishing. Many people do not fully appreciate the extent and complexity of habitat management in the National Forests, and the benefits derived therefrom. This picture shows characteristic forest animals in their natural habitat—and what the Forest Service is doing to improve the habitat, and at the same time manage these forests for the best interests of all users. (Elementary through Adult)

WILDLIFE IN THE ROCKIES (NFBC)

14 minutes—color $1.50 1.5
After years of careful conservation, Banff and Jasper National Parks have become vast zoological gardens. This film shows us many intimate views of the creatures that inhabit the forested slopes of these peaks.

WILDLIFE RENDEZVOUS (NFBC)

14 minutes—sound—color $1.50 1.5
A sort of who's who of Canadian wildlife, this film introduces wild fowl and wild animals at the wildlife sanctuary near Shubenacadie, Nova Scotia. A park especially set aside by the Province for the conservation of Canadian wildlife. The park is shown in all seasons.

WILL WE HAVE YEAR 'ROUND SCHOOLS? (NCEA)

28 minutes—sound $1.50 1.5
Parents quiz teachers and other educators about their children and schools as they ask about problems ranging from year 'round sessions to educational television.

WILLIAM PENN AND THE QUAKERS (THE PENNSYLVANIA COLONY) (CORONET)

11 minutes $2.00 2
We see how under William Penn's leadership, a colony was founded dedicated to equality and freedom of speech and religion, and how the inhabitants grasped many opportunities which made Pennsylvania a political, economic, and social leader among the colonies. (Intermediate, Junior High)

WILLIAM SHAKESPEARE (EBF)

25 minutes—sound $4.00 4
Traces course of Shakespeare's life from his boyhood in Warwickshire through his career in the London theatre. Shows him as actor and dramatist. Contains excerpts from "Romeo and Juliet," "Henry V," "As You Like It," "Julius Caesar," "Hamlet," and "Macbeth" as they would have been performed on the stage of Shakespeare's own theater.

WILLIAM SHAKESPEARE: Background For His Works (CORONET)

13 minutes—sound $3.00 3
In the England of today, the film shows the places of Shakespeare's times and elements of English life that gave Shakespeare his language and shaped his character. Kenilworth Castle,

Unit Value

Stratford, the River Avon, Anne Hathaway's Cottage, The George Inn, The Tower of London are just a few of the memorial spots that link the past with the present.

WILSON DAM SCHOOL (TVA)

20 minutes—sound $1.50 1.5
Produced in collaboration with the Alabama State Department of Education to demonstrate the operation of a progressive school. (Jr. High through Adult)

WINDS AND THEIR CAUSES (CORONET)

10 minutes—sour.d $2.00 2
Pete's model airplane crashes. He is determined to find out why; so, with Pete, we discover the facts behind thermals, cumulus clouds and thunderstorms. Then the great winds of the earth are explained . . . on and off shore breezes . . . the easterlies and westerlies. An introduction to the subject of winds and their causes. (Jr. and Sr. High)

WIND FROM THE WEST (FON)

18 minutes—sound $2.00 2
Young Nils dozes in school and dreams of the mountains of Lapland, the yearly migration of reindeer, and of how one day he will become a reindeer herdsman. He sees the various animals and flowers that appear in the spring. (Elementary and Jr. High)

THE WINNING OF FRANCE (McGRAW-HILL)

28 minutes $7.00 7
An account of Allied air-ground operations against the German 7th Army after the Normandy invasion which saved Paris from ruin. The film shows how the Allies preceded the big break-through with the most massive use of heavy bombers as tactical weapons in World War II.

WINTER ON THE FARM (EFB)

10 minutes—sound—color $4.00 4
This delightful color film—one of the Seasons Series—portrays the adaptation of plants and animals to the winter's cold. We follow Joan and Jerry as they observe animal tracks in the snow, the animals which made the tracks, birds at their feeding station, and farm animals in the barn. Especially enjoyable is the children's trip to the woods to cut a Christmas tree. (Primary and Elementary)

WINTER WONDERLAND (C)

12 minutes—sound $2.00 2
Illustrates the varied winter sports that may be enjoyed on the National Forests, such as skiing, snowshoeing, tobogganing, skating. Shows some of the facilities, such as ski-jumps, toboggan slides, practice slopes, and shelters that have been provided. (Primary through Jr. High)

WITH GUN AND CAMERA IN NEWFOUNDLAND (NFBC)

17 minutes $1.50 1.5
Famous sportsman Lee Wulff explores the wilderness haunts

Unit Value

of game birds and the wild barrens of Newfoundland's caribou country.

WOLFE AND MONTCALM (CORONET)

28 minutes $5.00 5
Re-enacted are preparations for the Battle of the Plains of Abraham, the strategy of the attack, and the dramatic moment when Wolfe and Montcalm are both fatally wounded. B&W only. Produced by the National Film Board of Canada. Junior High, Senior High)

WONDER OF CHEMISTRY (YA)

10 minutes—sound $2.00 2
Introduces the student to chemistry as one of the sciences. Defines and explains element, compound and chemical change. Stresses the contributions that chemistry has made to a better ways of life. (Elementary and Jr. High)

WONDERS IN YOUR OWN BACKYARD (C-W)

10 minutes—sound—color $4.00 4
Simplicity of presentation, both on the screen and in the narration, is the outstanding virtue of this excellent film. Two small children look at creatures common to most backyards, and an examination of their peculiarities makes a provocative introduction to further zoological study. (Primary through Adult)

WOODLAND INDIANS OF EARLY AMERICA (CORONET)

11 minutes $2.00 2
Authentic reconstructions and scenes in the eastern and Great Lakes regions provide settings for this study of woodland Indian life, particularly a Chippewa family, prior to European influence. (Intermediate)

WOODWIND CHOIR (EBF)

11 minutes—sound $2.00 2
Begins with the third movement in Brahms' First Symphony and ends with the Scherzo from Mendelssohn's "Midsummer Night's Dream." The body of the film is taken up by demonstrations of the individual tone quality of the various instruments and gives pupils opportunity for studying playing techniques. (Elementary through Adult)

WOODWINDS AND BRASS (EBF)

11 minutes—sound $2.00 2
Eugene Kash introduces the woodwind and brass instruments and has musicians play each of the main types. Beginning with a willow whistle, he explains that modern winds instruments—flute, clarinet, trombone and others—are just more complex versions of this simple pipe. Mr. Kash has the musicians play the instruments separately before playing together. (Primary and Elementary) (Music)

WOODWORKING (EBF)

11 minutes—sound $2.00 2
Describes the importance of woodworking and suggests its values as a hobby as Ray proudly shows his workshop to two of his friends who are enrolling in a beginning woodworking class.

Unit Value

Illustrates basic woodworking tools and shows how they are used. Shows the step-by-step construction of a beginning project. (High School and Adult) (Arts and Crafts)

WOOL (From Sheep to Clothing) (EBF)

10 minutes—sound $2.00 2

Tells the complete story of wool—from sheep on a Wyoming range through the knitting of the worsted yarn into sweaters. Shows the sheep being herded and driven to the ranch, and describes each step in the shearing process. Portrays how wool is compressed into bales and then shipped to a mill where it is washed, carded, spun and finally knitted into sweaters. (Primary and Elementary)

WORD BUILDING IN OUR LANGUAGE

11 minutes—sound—color $4.00 4

Through interesting examples, graphically illustrated, the film demonstrates how many of our words are built by adding prefixes, suffixes, or both to a root, and by combining words or parts of them. It also points out that many of our words are derived from other languages—frequently Latin—and generally explores the principles of structural growth of words.

WORD RECOGNITION SKILLS (CORONET)

11 minutes—sound $2.00 2

This film shows precisely how word recognition errors occur and how to avoid them. Full attention is given to the dictionary as an aid to word recognition and to phonetic analysis, as the key to independence in reading. By using animation, the film shows students skills which can be developed for quick, accurate recognition of words by form, context, and sound. (Intermediate, Jr. and Sr. High)

WORDS AND THEIR MEANINGS

32 minutes—sound $5.00 5

The film demonstrates that words in one language do not cover the same areas of meaning as words in another. They change their meanings depending on the situations in which they are used. Scenes from a French class for English speaking show how words are taught in meaningful contexts and how the ranges of meanings of such words are developed by practice of appropriate expressions.

WORK OF RIVERS (EBF)

10 minutes—sound $2.00 2

Presents dramatically, yet simply, the erosion cycle of water on the earth's surface. The main story is introduced with a brief portrayal of the water cycle in nature. The main story is integrated by motion pictures, specially taken for this picture, presenting examples from many parts of the country. Models and animated drawings are employed to explain such special features as Niagara Falls, deltas, meanders, ox-bow lakes, rejuvenated rivers, lakes, water gaps, and sand bars. (Jr. High through College)

WORK OF THE ATMOSPHERE (EBF)

10 minutes—sound $2.00 2

Shows the effect of the mechanical and chemical actions of the

Unit Value

atmosphere on the earth's surface. Animation depicts the cutting process of windblown sand grains on granite, areas affected by dust storms, and the formation of soils. Magnified views reveal the structure of sand grains and feldspar. Other photographs provide examples of spalling, exfoliation, sand blasting, dunes, loess banks, and volcanic dust. The importance of the atmosphere to plant and animal life is shown. (Jr. High through College)

WORK OF THE BLOOD (EBF)

13 minutes—color $5.00 5
The structure of blood cells and the composition of plasma are revealed through laboratory analysis of a blood sample. Animated drawings and X-ray motion pictures of the circulatory system illustrate the work of the blood—the circulation of food elements and other materials to all body cells; the removal of wastes; the equalization of heat distribution; and the defenses against disease. (Jr. High, Sr. High)

WORK OF THE KIDNEYS (EBF)

10 minutes—sound $2.00 2
Cinematic devices are used to present a detailed exposition of the kidneys and their functions. First, an analogy is drawn between machines which use selective devices and the selective process by which wastes are eliminated in the kidneys. An animated diagram is used to give an enlarged view of the kidneys, and to reveal the processes of transfer and filtration. (Sr. High)

WORK OF THE STOCK EXCHANGE (CORONET)

16 minutes—sound $2.00 2
This film takes students through each step of incorporation and listing of stock. Outstanding in the film are the details of buying and selling operations on the exchange floor and in the broker's office. Students see how these operations bring to land, labor and management the capital necessary for production. (Jr. and Sr. High)

WORLD HISTORY: AN OVERVIEW (CORONET)

16 minutes—color $3.00 3
This dramatic introduction views the diverse events of history as a record of how men have striven to meet certain basic needs common to all humanity.

THE WORLD OF LIFE (AIBS)

28 minutes—sound—color $5.00 5
Dr. Bentley Glass, Johns Hopkins University. Introduces the whole area of biology and describes the nature and content of the film series. Describes the scientific approach and indicates the organization and method used in biological sciences.

WORLD OF PLENTY (BIS)

45 minutes—sound $1.50 1.5
The story of man and food—past, present and future—is told by two men, a commentator and a heckler. The many facts of the problems—a secure, adequate and suitable supply of food for every man—are challengingly presented through the creative use of animated diagrams, pertinent pictorial material, trick

Unit Value

optical effects, and recorded declarations of world citizens and scientists. (Jr. High through Adult)

WORLD WAR I: THE BACKGROUND (CORONET)

13½ minutes $3.00 3
Starting with the Franco-Prussian War, we get a picture of conflicting interests in various sections of Europe, alliances formed on the basis of these interests, and how the war began.

WORLD WAR I: BUILDING THE PEACE (CORONET)

11 minutes $3.00 3
As negotiations among the "Big Three" were concluded, we learn of dissatisfactions at their results, how the U. S. refused to join the League of Nations, and the effect of the Peace on Germany.

WORLD WAR I (A DOCUMENTARY ON THE ROLE OF THE U.S.A.) (EBF)

28 minutes $5.00 5
Through documentary scenes of the period and the actual words of historical figures, this film brings to life the events which led the United States into war; describes the course of the war, and Wilson's role at the peace conference. The historical scenes were made available to Encyclopaedia Britannica Films by the National Archives, Washington, D. C. (Jr. High, Sr. High, College, Adult)

WORLD WAR I: THE WAR YEARS (CORONET)

13½ minutes $3.00 3
This film illustrates the concept of "total war," entry of the U.S., the final war years, abdication of the Kaiser, and signing of the Armistice.

WORLD WAR II (PROLOGUE, U.S.A.) (EBF)

28 minutes $7.00 7
Through documentary scenes of the period, this film reviews the historic events which led to U.S. entry into World War II. Describes the "great dilemma" which faced Americans and shows the different stages through which American public opinion passed as the events in Europe took place. Follows the development of world conflict, from Japan's invasion of Manchuria to the bombing of Pearl Harbor, and U. S. entry into the war on December 8, 1941. (Jr. High, Sr. High, College, Adult)

WORLD WE WANT TO LIVE IN (NCCJ)

10 minutes—sound $1.50 1.5
A Roman Catholic, a Protestant, and a Jewish child play together on an American shore but across the ocean not only religious but political rights are deneid to minority groups. Indicates also some of the intolerances which have developed on this side of the ocean. (Jr. High through Adult)

THE WORLDS OF DR. VISHMIAC (McGRAW-HILL)

20 minutes—sound—color $1.50 1.5
The life functions of microscopic, one-celled animals are revealed in all their complexity through extraordinary cine-microscopy

Unit Value

by Roman Vishniac, well-known microbiologist; satisfactions to be found in life-sciences are highlighted.

WORMS—THE ANNELIDA (EBF)

13 minutes $3.00 3

Presents a detailed camera study of the four classes of annelid worms, their structure, behavior, and habitats. Explains processes of locomotion, respiration, digestion, and reproduction, with special attention to the life cycle of the earthworm. Discusses the earthworm's usefulness to man. (Jr. High, Sr. High, College)

WRITING A REPORT (CORONET)

11 minutes—sound—color $4.00 4

Collaborator: F. Norwood Marquis, Ed.D., Chairman, School of Education, Miami University. As Ted writes a report on his subject, the newts, your pupils will follow him through the four steps: choose a subject, gather information, organize the information, and write the report. The film stresses the importance of knowing where to find sources of information, taking notes, outlining, organizing facts, and careful preparation for writing a good report.

WRITING BETTER BUSINESS LETTERS (CORONET)

10 minutes—sound $2.00 2

In an entertaining presentation this film emphasizes the three principal characteristics of a good business letter: clarity, brevity and courtesy. Primarily designed for use in general English, it will also be of tremendous value in Business English classes. (Jr. and Sr. High)

WRITING FORCEFUL SENTENCES PART I (IND)

30 minutes $5.00 5

Reading from great writers like Poe, Conrad, Lamb, and others, Professor Peterson emphasizes that great writing results from straight thinking. He explains what a sentence is, how major and minor ideas are structured in a sentence, and how the conjunction "and" deludes writers. Dr. Peterson emphasizes that poor writing usually indicates poor thinking.

WRITING FORCEFUL SENTENCES PART 2 (IND)

30 minutes $5.00 5

Dr. Peterson discusses five methods for putting a sentence together to say exactly what is meant: (1) arranging the words in order of importance; (2) placing the major idea in the main clause and the minor one in the subordinate clause; (3) keeping the minor clause at the beginning and the major clause at the end; (4) keeping the reader in suspense until the end of the sentence; and (5) inverting the sentence order. Each of these methods is illustrated with appropriate examples.

WRITING THROUGH THE AGES (EBF)

10 minutes—sound $2.00 2

A chronological history of writing as a means of communication. Shows ways in which writing evolved from pictures and signs and illustrates that local materials used as writing tools influenced the methods of sign making and writing. Depicts and

Unit Value

analyzes significant features of early Chinese, Mesopotamian, and Egyptian writings. Stresses contributions of Phoenicians, Greeks, and Romans to our present alphabet. (Elementary and Jr. High)

YOU AND YOUR MONEY (FEDERAL RESERVE BANK)

12½ minutes—sound $1.50 1.5
Tracing the travels of your money—Bill Greenstuff—the film shows in cartoon story form what makes the wheels go around in our nation's business. This is an easy-to-follow lesson in everyday economics, of interest to everyone concerned with the soundness of the American dollar. (Jr., Sr. High through Adult)

YOU AND YOUR PARENTS (CORONET)

13 minutes—sound $3.00 3
The issue of parental authority is one that touches every home where there are growing children. The process of "growing away" from the family is described as a natural and normal one, but audiences see how it can lead to difficulties if both parents and children do not take the time to understand each other's problems. (Jr. and Sr. High)

YOU AND YOUR WORK (CORONET)

10 minutes—sound $2.00 2
Being satisfied and happy in one's work . . . right attitude and approach to a job . . . achieving personal adjustment . . . these are basic problems which the vocational guidance worker must help others solve. Here is an invaluable aid in doing this job effectively. (Jr. High through Adult)

YOUR CHILDREN'S SLEEP (EBF)

20 minutes—sound $4.00 4
Gives adults a conception of some typical problems in a child's mind, and shows how these problems, although insignificant to an adult, may be important and even frightening to the child. They can cause sleeplessness, or even nightmares. The film stresses the importance of sound, healthy sleep, and shows how it can be insured for children. (Sr. High through Adult)

YOUR FRIEND THE FOREST (EBF)

7 minutes—sound—color $2.00 2
A little boy finds out the value of forests and the need for preventing forest fires. Partly in animation and partly live photography. (Primary and Elementary)

YOUR FRIEND THE SOIL (EBF)

7 minutes—sound—color $2.00 2
A little girl learns of the conditions that effect our food resources and comes to realize that our life and health depend on good farms, good soil, and good food. Partly in animation and partly live photography. (Primary and Elementary)

YOUR FRIEND THE WATER (EBF)

6 minutes—sound—color $2.00 2
The sources and value of pure water are shown in striking contrast to the causes and wastefulness of water pollution; both

Unit Value

clean and dirty water are presented in terms that young children will appreciate.

YOUR MEAT INSPECTION SERVICE (USDA)

27½ minutes—color $1.50 1.5
Graphically tells the story of those who guard the wholesomeness of our nation's meat supply—Federal meat inspectors. This film instills a new understanding of the value of the symbol—the purple stamp that says and means U. S. Inspected and Passed. (TV)

YOUR MONEY IS WHAT YOU MAKE IT (NATIONAL ASSOC. OF MFG.)

29 minutes $1.50 1.5
This film suggested as basis for discussion of (1) Economics in a free market or (2) Government fiscal policies. It records a flannel-board demonstration of inflation, using a pair of scales as a device to show the relationship between supply of goods and prices. It describes three inflationary periods: The German inflation following the first world war. The American inflationary period from 1939 through 1950. The Korean War inflation, June 1950 through June 1951. It also suggests citizenship action to prevent inflation both by individual action in the marketplace and through urging sound government policies.

YOUR PERMIT TO DRIVE (GM)

11 minutes—sound $1.50 1.5
The film opens with examples of the magnitude of highway transportation and its contributions to social and economic progress. It then stresses that possession of a driver's license is both a privilege and an obligation. Citing the toll of traffic accidents, the film urges drivers to regard the signing of a license as a pledge to drive in a courteous, sportsmanlike manner. The film closes by pointing out that the new driver has an opportunity to learn the right way to drive and urging him to guard what a license stands for. (Sr. High through Adult)

YOUR TOWN—A STORY OF AMERICA (NAM)

10 minutes—sound $1.50 1.5
As Jerry passed the local Mason factory, a crowd was gathered outside. He stopped to see "the fun." Someone on a soapbox was shouting "down with this—and down with that" and then a stone is thrown through the factory window. A policeman and friend of the boy's grandfather, took him home. Grandfather, after discovering his grandson to be participating in a protest against the factory, relates the history of the factory, and tries to show how the income of the plant has made possible much of the life that today exists in the community. Jerry learned some American fundamentals. (Elementary through Adult)

YOUR THRIFT HABITS (CORONET)

10 minutes—sound $2.00 2
Your students will realize that by setting up a budget for systematic savings, by careful buying, doing without extravagances and choosing between immediate and future satisfactions, they will attain many material goals in life. (Jr. and Sr. High)

Unit Value

YOUR VOICE (EBF)

10 minutes—sound $2.00 2

Describes the four phases of voice production: respiration, phonation, resonance, and articulation. Presents actual photography of the vocal folds in operation. Animated drawings, together with considerable demonstration material, clearly explain the various processes. The film emphasizes the role of proper exercises for improving the voice; and the use of voice in speaking and singing is illustrated. (Jr. and Sr. High)

YUKON OLD—YUKON NEW (NFBC)

20 minutes—sound—color $1.50 1.5

This film gives you a helicopter view of trails and mountain passes which once saw human chains of pack-burdened men struggle against staggering odds—over icy barriers and against Arctic blizzards—to seek their pot of gold. Modern highway, rail and air transportation have changed all that, opening up the vast sub-Arctic for mineral development and also for pleasure-seeking visitors with a taste for adventure.

ZION NATIONAL PARK (FORD)

10 minutes—sound $1.50 1.5

Monoliths carved by rains and river, basking in semi-tropical climate, make this park in southwestern Utah an ideal vacation ground. Aerial views of the park combined with the natural beauty of the rock formations make this picture very interesting. (Elementary through Adult)

ZOO (EBF)

10 minutes—sound—color $4.00 4

A gay, colorful visit to one of the world's largest, most modern zoos, where animals are observed in areas simulating their natural habitats. Includes intimate and fascinating studies of polar and kodiak bears, lions, tigers, kangaroos, alpacas, giraffes, zebras, baboons, sea lions, hippopotamuses and elephants. Excellent natural color and close-up photography contribute much to realism and authenticity. (Primary and Elementary)

ZOO BABIES (CORONET)

10 minutes—sound—color $4.00 4

Do all baby animals look like their parents? How do they get their food? How are they protected? These questions and others about the growth of young animals are answered in this lively presentation of zoo animals and their offspring. Children's attention is directed to the physical characteristics and habits of baby monkeys, gnus, kudus, lions, peacocks, alligators and bears, and the relationship of the babies to their parents. (Primary)

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American Literature: Early National Period
Alexander Hamilton
Bill of Rights of the United States
Boy of a Frontier Fort
Constitution of the United States
Daniel Webster
George Washington
Hamilton-Burr Duel
John Calhoun
John Quincey Adams
Launching the New Government (1789-1800)
Our Bill of Rights
Our Constitution
Our Country's Song
Our Monroe Doctrine
Servant of the People
Signing of the Declaration of Independence
Story of Our Flag
War of 1812
Washington's Farewell to His Officers
Washington D. C.: Story of Our Capital
White House: Past and Present

Expansion and Westward Movement
American Literature: Westward Movement

Film Titles Listed Alphabetically in Body of Catalog

Andrew Jackson
Colonial Expansion
Daniel Boone
Death of Stonewall Jackson
Flatboatman of the Frontier
Gold Rush Days
Gunfight at O. K. Corral
Hatfield-McCoy Feud
John C. Fremont
Kentucky Pioneers
Lewis and Clark
Oregon Trail
Our Louisiana Purchase
Pioneer Boy of the Midwest
Pioneer Community of the Midwest
Pioneer Home
Pioneer Journey Across the Appalachians
Pioneer Journey to the Oregon Country
Pioneers of the Plains
Pony Express in America's Growth
Spanish Colonial Family of the Southwest
Territorial Expansion
Territorial Possessions
Travel in America in the 1840's
United States Expansion: Florida
United States Expansion: Settling the West (1853-1890)
United States Expansion: Texas and the Far Southwest
United States Expansion: The Louisiana Purchase
United States Expansion: Northwest Territory
United States Expansion: Oregon Country
Westward Growth of Our Nation
Westward Movement

Growth and Sectionalism & Natural Division

Abraham Lincoln
Abraham Lincoln: A Background Study
Carl Sandburg Discusses Lincoln
Civil War
Emancipation Proclamation
Grant and Lee at Appomattox
Life in Old Louisiana
Nor Long Remember
Plantation System in Plantation Life
Robert E. Lee: A Background Study
True Story of the Civil War
Walt Whitman: Background for His Works

General

Booker T. Washington
Federal Reserve System
Eight Steps to Peace:
No. 1 World Law
No. 2 Does Disarmament Make Sense
No. 3 A Permanent U.N. Police Force
No. 4 What's in it for Everyone
No. 5 Membership in the U.N.
No. 6 You and the U.N.
No. 7 Charter Review
No. 8 The Answer Now
History in Your Community
It Takes Everybody to Build this Land
Land of Liberty
Rescue of American Prisoners at Santo Tomas
Secret Message that Plunged America Into WWI
President Plants a Tree
Republic of Italy
Sweden Looks Ahead
United States Where Were You

Modern History

Advance the Bomber Line
Battle of Britain
The Cold Decade—Airlift
The Cold Decade—Korean Stalemate
The Cold Decade—To the Yalu
Conquest of the Air
Counterblast
The Day North America is Attacked
Defeat of Japan
The Early Days
Fools, Daredevils, and Geniuses
Interdiction and Blockade
The Japanese Perimeter
Kamikaze
Luftwaffe
The New Doctrine
Pacific Pattern
Pearl Harbor
Schweinfurt
Starfighter
Strangle
Superfort
Target Ploesti
The 1930's
The '29 Boom and '30's Depression
Twisted Cross
Victory in Europe
The Winning of France
World War I: Background
World War I: Documentary on Role of U. S.
World War I: War Years
World War I: Building the Peace
World War II

Film Titles Listed Alphabetically in Body of Catalog

Rise of Industrialism
Beginning and Growth of Industrial America
Communication: Story of Its Development
Eli Whitney
Eli Whitney Invents the Cotton Gin
Immigration
Immigration in Americas History
Inventions in Americas Growth: 1750-1850
Inventions in Americas Growth: 1850-1910
Labor Movement: Beginnings and Growth in America
New South

U. S.: A World Power
Building the Panama Canal
Panama Canal
U. S. Expansion Overseas (1893-1917)
World War I: Background
World War I: Building the Peace
World War I: War Years

ART
Art and Action Series (Primary)
Color
Form
Light and Dark
Line
Texture
Art and Life in Italy
Brush Techniques
Care of Art Materials
Color Keying in Art and Living
Color in Clay
Drawing with a Pencil
Elements of Design: Composition
Elements of Design: Light and Shade
Elements of Design: Line
Elements of Design: Shape
How Young America Paints
Let's Paint with Water Colors
Loon's Necklace
Making of a Mural
Painting: Learning to Mix Colors
Painting: Learning to Use Your Brush
Painting: Solid Forms
Painting with Sand
Rembrandt

Images of Art Series
A Visit to London in 1860 with Gustave Dore
The Dandies of Constantin Guys
Don Quixote by Gustave Dore
Draughtsman of Everyday Events: Daniel Vierge
Drawings by Degas
Drawings by Fragonard
El Greco: The Secret of Toledo
From 1900 Until After World War I
Grandville's Metamorphoses
The Incredibles of Debucourt
Introduction to the Method of Leonardo da Vinci
The Labyrinth of Piranesi
Poulbot and the Children of Montmartre
Rembrandt, Master of the Night
Remembrances of Time Past
Rousseau: A Trip in the Little Cart
The Suicide of Society: Van Gogh
Tolouse Lautrec: The Night Watcher
Watteau's Fetes Galantes

AUDIO-VISUAL EDUCATION
(See also Teacher Training)
Film Research and Learning
Handmade Materials for Projection
New Tools for Learning
Photographic Slides for Instruction
Using the Classroom Film

AUSTRALIA
Australia
Australian—Sheep Ranch Country
Geography of Australia

BELGIAN CONGO
People of the Congo

BIOGRAPHY
Adams, John Quincy
Alcott, Louisa May
Boone, Daniel
Calhoun, John
Cooper, James Fennimore
Franklin, Benjamin
Fremont, John C.
Hamilton, Alexander
Holmes, Oliver Wendell
Irving, Washington
Jackson, Andrew
Jefferson, Thomas
Lee, Robert E.
Lewis and Clark
Lincoln, Abraham
Longfellow, Henry Wadsworth
Shakespeare, William
Story of Christopher Columbus
Jefferson, Thomas
Washington, Booker T.
Washington, George
Webster, Daniel
Whitney, Eli
Whittier, John Greenleaf

BUSINESS EDUCATION
Bookkeeping and You
I Want to Be a Secretary
Office Etiquette

Film Titles Listed Alphabetically in Body of Catalog

Report to American People on Technical Cooperation
Secretary's Day
Sharing Economic Risks
Typing
Writing Better Business Letters

CANADA
Canada—Home of French Canadians
Canada's New Farmlands
Canadian Cruise
Canoe Country
Columbia Adventure
Family Outing
Famous Fish I Have Met
French Canadian Children
Highland Holiday
Historic Highway—Lower Canada
Historic Highway—Upper Canada
Holiday Island
Hunting with a Camera
Industrial Provinces of Canada
Land of Bubbling Waters
Maritime Holiday
Maritime Provinces of Canada
Mighty Muskie
North to Hudson Bay
Pacific Canada
Picture Province
Prairie Provinces of Canada
Prince Edward Island
Road to Gaspe
Rocky Mountain Trout
Sailing in Canada
Seaside Holiday
Silks and Sulkies
Ski Holiday
Wardens of Waterton
Winter Carnival
You'll Take the Highroad

CENTRAL AMERICA
Building the Panama Canal
Central America
Cuernavaca
Guatemala—Crossroads of Central America
High Spots of a High Country
Hill Towns of Guatemala

CHILD CARE
Bathing Time for Baby

CHILE
Atacama Desert
Chile
Fundo in Chile
Housing in Chile
South Chile

CHINA
Children of China
China
China Crisis
China: The Land and the People
People of Western China
Western Front

CHRISTMAS
Christmas Gift
Littlest Angel
Night Before Christmas

CITIZENSHIP
Community Governments: How They Function
Defining Democracy
Fight for Better Schools
Freedom to Learn
Freedom to Read
Junior Citizen
Practicing Democracy in the Classroom

CITY PLANNING
City, The
Geography of Your Community

CIVICS (See Government)

COMMUNICATIONS
Development of Communications
Do You Know How to Make a Statement of Fact?
Just What is General Semantics?
Laying the Atlantic Cable
Man Who Knows It All, The
Night Mail
On the Difference Between Words and Things
Receiving Radio Messages
Sending Radio Messages
What Is a Good Observer?
Why Do People Misunderstand Each Other?

COMMUNITY RECREATION
Leaders for Leisure
Playtown USA
Thousand Dollars for Recreation

CONSERVATION
(See Natural Resources)

COOPERATIVES
Here is Tomorrow

CORSICA
Corsica

COSTA RICA
Jack's Visit to Costa Rica

CUBA
Cuba: The Land and the People

Film Titles Listed Alphabetically in Body of Catalog

DANCES
American Square Dance
Frontiers of Faith
People Dance
Steps of the Ballet

DISEASES
Accent on Use—Polio
Allergies
Another to Conquer
Body Defense Against Disease
Cancer
Choose to Live
Common Cold
Doctor Speaks His Mind
How Our Bodies Fight Disease
On Our Own
Traitor Within
Tuberculosis
Unconditional Surrender

DRAMATIC ARTS
Final Performance of Sarah Bernhardt
Four Ways to Drama

ECONOMICS AND TRADE
Building America's Houses
Capitalism
Consumer Protection
Distributing America's Goods
Distribution of Foods
Federal Reserve System
Installment Buying
Introduction to Foreign Trade
It's Everybody's Business
Meaning of the Industrial Revolution
Production of Foods
Productivity: Key to Plenty
Sharing Economic Risks
Story of Money
Story with Two Endings
Three to Be Served
Using the Bank
What Is a Contract
What Is a Corporation
What Is Money
Work of the Stock Exchange
World of Plenty
You and Your Money
Your Town—A Story of America

EDUCATION
American Teacher
Better Reading
Broader Concept of Curriculum
Broader Concept of Method
Desk for Billie, A
Design of American Education
Elementary School
Experimental Studies in Social Climates
Feltboard in Teaching
Field Trip
Fight for Better Schools
Freedom to Learn
Junior High School Story
Learning to Understand Children
Maintaining Classroom Discipline
Mike Makes His Mark
Near Home
Not by Chance
No Teacher Alone
Opaque Projector
Pop Rings the Bell
School and the Community
School That Learned to Eat
Section 16
Secure the Blessings
Sixth Chair
Skippy and the Three R's
Teacher Crisis
Teaching Machines
Tips for Teachers
Using the Classroom Film
Village School
What Greater Gift
Wilson Dam School

EGYPT
Cradle of Religions
Egypt and the Nile
Egypt's Hollywood
It's a Woman's World
Mehalla
Nile River Valley and People of the Lower River

ELECTRICITY (See Physics)

ENGLAND
Beginnings of History
Britain and Her Empire
Canals of England
Day with English Children
English Children
English History: Earliest Times to 1066
English History: Norman Conquest to the Fifteenth Century
English History: Tudor Period
Great Britain—Trade and Industry
Make Way for the Queen
Village School

EUROPE
Belgium and The Netherlands: Lands and Peoples
France
Greece
Holland
Iberian Peninsula
Italy
Slovakia

Film Titles Listed Alphabetically in Body of Catalog

Switzerland
Western Europe
Western Europe: An Introduction
Western Germany: The Land and the People

FOODS AND NUTRITION
Bread
Consumption of Foods
Eggs
Food and Nutrition
For Health and Happiness
Fun in Food
Fundamentals of Diet
Golden Foods
Home Cookery of Fish
Kids Must Eat
Man Who Missed His Breakfast
Milk
Principles of Baking
Principles of Cooking
Shrimp Please
Shrimp Tips from New Orleans

FOREIGN LANGUAGE FILMS
La Familia Sanchez
Tunisie, Perle Du Djirid (Fr.)
Un Grand Verrier (Fr.)
Une Famille Bretonne

FRANCE
France—Food for Paris Markets
French Children
Life on a French Farm
Modern France—The Land and the People
Resurrection

GOVERNMENT
Federal
Basic Court Procedures
Federal Government
Federal Taxation
How a Bill Becomes a Law
How We Elect Our Representatives
Meet Your Federal Government
Our Living Constitution
Our Living Declaration of Independence
Our National Government
Political Parties
Powers of Congress
President's Cabinet
Presidential Elections
Supreme Court

Municipal
Community Governments: How They Function
Law and Social Controls
Our Basic Civil Rights
Why We Respect the Law

GREECE
Ancient Greece
Greece
Greek Children
Our Inheritance from Ancient Greece

GUATEMALA
Guatamala—Crossroads of Central America

HAITI
Life in Haiti

HAWAII
Hawaii—50th State
Modern Hawaii
People of Hawaii

HEALTH AND HYGIENE
Alcohol and the Human Body
Another to Conquer
Attitudes and Health
Body Defense Against Disease
Care of Hair and Nails
Care of the Feet
Care of the Skin
Choose to Live
City Water Supply
Cleanliness and Health
Common Cold
Defending the City's Health
Defense Against Invasion
Dental Health: Why and How
Doctor, The
Don't Be Afraid
Don't Get Angry
Ears and Hearing
Eat for Health
Exercise and Health
Exercise for Happy Living
Eyes for Tomorrow
50,000 Lives
First Aid
First Aid on the Spot
For Health and Happiness
From Toe to Tip
Fun in Food
Fun That Builds Good Health
Fundamentals of Diet
Good Eating Habits
Goodbye Mr. Germ
Growing Girls
House Fly
How Do You Stand
How Our Bodies Fight Disease
Immunization
Improving Your Posture
Joan Avoids a Cold
Kids Must Eat
Let My People Live
Man Who Missed His Breakfast

Film Titles Listed Alphabetically in Body of Catalog

Matter of Time
Mental Health
New Frontiers of Medicine
Nurse, The
Obesity
Posture and Exercise
Save Those Teeth
See Better—Healthy Eyes
Sleep for Health
Tragic Hour of Dr. Semmelweiss
Teeth
Three Counties Against Syphilis
Tobacco and the Human Body
Tommy's Day
Traitor Within
Tuberculosis
Vitamin Rivers
Where Does It Get You
You Are the Switchman
Your Children's Sleep

HOLLAND
Children of Holland
Holland—Land Behind the Dykes
Life in Lowlands—The Netherlands

HOME ECONOMICS
Basic Fibers in Cloth
Boss Comes to Dinner
Color Keying in Art and Living
Consumer Protection
Consumption of Foods
Cooking: Planning and Organization
Curing Pork Country Style
Family Life
Foods and Nutrition
For Health and Happiness
From Toe to Tip
Fun in Food
Fundamentals of Diet
Golden Foods
Good Table Manners
Home Cookery of Fish
Home Electrical Appliances
Home Nursing
Home Management: Why Budget
Menu Planning
Principles of Baking
Principles of Cooking
Principles of Home Canning
Romance of Silver Design
Shrimp Please
Shrimp Tips from New Orleans
Sewing: Advanced Seams
Sewing: Fitting a Patterns
Sewing: Fundamentals
Sewing: Handling Materials
Sewing: Pattern Interpretation
Sewing: Simple Seams
Sewing: Slide Fasteners
Synthetic Fibers
Treasures for the Making
Wool

HOUSING
Building America's Houses
Problems of Housing

INDIA
Hindu Family

INDIANS
Apache Indian
Hopi Indian
Hopi Indian Arts and Crafts

INDUSTRIAL ARTS
Furniture Craftsman
Manual Training—Elementary

INDUSTRY
Alaska's Silver Millions
Aluminum
Arizona and Its Natural Resources
Atacama Desert
Atom and Industry
Brazilian Quartz
Bread
Builders, The
California and Its Natural Resources
Construction of a Light Airplane
Copper Network
Cotton
Evolution of the Oil Industry
For Us, the Living
From Trees to Paper
Gift of Ts'ai Lun—Paper
Glass: From the Old to the New
Through Research
Iron Ore to Motive Power
Jerry Pulls the Strings
Lake Carrier
Machine Maker
Making Books
Making Cotton Clothing
Making Paving Brick
Making Shoes
Meats with Approval
Melting and Refining of Stainless Steel
New Industrial South
Nickel Mining
Paper
Petroleum
Potash Production in America
Powering America's Progress
Salmon: Catch to Can
Story of Copper
Story of Gasoline
Story of Lubricating Oil
Story of Steel
Sugar Cane
Sulphur

Film Titles Listed Alphabetically in Body of Catalog

Synthetic Fibers
Synthetic Rubber
Tale in a Tea Cup
This Is Aluminum
Trees to Tribunes
Why of Automobile Lubrication

INSURANCE
American Portrait
For Some Must Watch
Life Insurance Occupations
To Live Tomorrow
Yours Truly, Ed Graham

INTERNATIONAL RELATIONS
Appian Way
Brotherhood of Man
Causes and Immediate Effects of World War I
Good Neighbor Family
Handicraft Town
Hoffman's Farewell Tour
House I Live In
Immigration
Let's Be Childish
My Trip Abroad—Mrs. Roosevelt
Rice and Bulls
Seeds of Destiny
Two Way Street
Watchtower over Tomorrow
World We Want to Live In

IRELAND
Ireland
Irish Children
Visit to Ireland

ISRAEL
Israel
Jerusalem, the Holy City
Palestine

ITALY
Ancient Rome
Appian Way
Art and Life in Italy
Handicraft Town
Italian Children
Italian Peninsula
Italy
Italy—Peninsula of Contrasts
Pompeii and Vesuvius
Republic of Italy
Rome, City Eternal

JAPAN
Children of Japan
Japan: Island Nation

JAVA
Java

LANGUAGE ARTS

English Grammar
Building Better Paragraphs
Grammar: Verbs and Ways We Use Them
Improve Your Punctuation
Making Sense With Outlines
Parts of Speech, The
Preparing Your Book Report
Punctuation for Beginners
Sentences: Simple, Compound, Complex
Sentences That Ask and Tell
Spelling for Beginners
Verbs: Principal Parts
Verbs: Recognizing and Using Them
Word Building in Our Language
Writing A Report

Build Your Vocabulary
Improve Your Punctuation
Making Sense with Sentences
Punctuation—Mark Your Meaning
Spelling Is Easy
Why Punctuate
Your Voice

Great Dramatic Literature (Humanities)
The Humanities—What They Are and What They Do
The Theatre—One of the Humanities
Our Town and Our Universe
Our Town and Ourselves
Hamlet—The Age of Elizabeth
What Happens in Hamlet
The Poisoned Kingdom
The Readiness is All
The Age of Sophocles
The Character of Oedipus
Man and God
The Recovery of Oedipus

General Language Arts
A Surprise for Jean
A Talking Valentine
Build Your Vocabulary
Do Words Ever Fool You
Flying a Kite
Frank Tends the Garden
Halloween Party
How to Study
Improve Your Handwriting
Improve Your Pronunciation
It's All Yours
Jean and Her Dolls
Know Your Library
Learning to Study
Let's Pronounce Well

Film Titles Listed Alphabetically in Body of Catalog

Letter to Grandmother
Library Organization
Making Sense with Sentences
Newspaper Story
Penmanship Improved
Punctuation—Mark Your Meaning
Sailing Toy Boat
Speeding Your Reading
Spelling Is Easy
Watch That Quotation
We Discover the Dictionary
Writing through the Ages
Who Makes Words

Literature
Alcott, Louisa May
Cooper, James Fennimore
Dickens: Background for His Literature
England: Background for Literature
Final Performance of Sarah Bernhardt
Four Ways to Drama
France: Background for Literature
Franklin, Benjamin
Hare and Tortoise
Holmes, Oliver Wendell
Irving, Washington
Jefferson, Thomas
Julius Caesar
Kidnapped
Lady of the Lake: Background for Literature
Literature Appreciation: English Lyrics
Literature Appreciation: How to Read Poetry
Literature Appreciation: How to Read Novels
Literature Appreciation: Stories
Longfellow, Henry Wadsworth
Loon's Necklace
Macbeth
Midsummers Night's Dream
New England: Background of Literature
Night Before Christmas
Shakespeare: Background for His Works
Shakespeare, William
Whittier, John Greenleaf

Principles and Methods of Teaching a Second Language
Modern Techniques in Language Teaching
The Nature of Language and How It Is Learned
The Organization of Language
The Sounds of Language
Words and Their Meanings

The Quill Series
The Exact Small Things
From Sentences to Paragraphs
Nouns and Verbs Versus Adjectives and Adverbs
Style in Writing
Writing Forceful Sentences: Part I
Writing Forceful Sentences: Part II

Reading Skills
Comprehension Skills
Defining the Good Reader
Effective Speeds
Vocabulary Skills
Word Recognition Skills

LIBRARIES
Know Your Library
School Libraries in Action
Library Organization
Road to Books

LIFE SAVING
Artificial Respiration

MALAYA
Malay Peninsula: Land & People
Malaya—Nomads of the Jungle

MARIONETTES
Jerry Pulls the Strings
Puppetry

MATHEMATICS
Addition Is Easy
Algebra in Everyday Life
Base and Place
Big Numbers
Congruent Figures
Decimals Are Easy
Division Is Easy
Earliest Numbers, The
Fractions
Fundamental Operations
Geometry in Action
How to Add Fractions
How to Find the Answer
Introduction to Fractions
Language of Graphs
Language of Mathematics
Locus
Meaning of Long Division
Meaning of Percentage
Meaning of Pi
Meaning of Plus and Minus
Measurement
Multiplication Is Easy
New Numbers
Number System
Per Cent in Everyday Life
Principles of Scale Drawing
Property Taxation
Short Cuts

Film Titles Listed Alphabetically in Body of Catalog

Subtraction Is Easy
What Is Four
Weights and Measures

Teacher Education in Modern Mathematics
Addition of Whole Numbers
Concept of Function
Division of Whole Numbers
Irrational Numbers
Multiplication of Whole Numbers
The Need for Modern Mathematics
Number Fields
Patterns in Mathematics
Sentences and Solution Sets
Sets Numbers and Numerals
Subtraction of Whole Numbers

METEOROLOGY
Atmosphere and Its Circulation
Clouds
Fire Weather
Flood Weather
Hurricane Watch
Story of a Storm
Thunder & Lightning
Weather
What Makes Rain
Winds & Their Causes
Work of the Atmosphere

MEXICO
Arts and Crafts of Mexico
Bounteous Earth
Cuernavaca
Day Is New
Fiestas of the Hills
Guadalajara
Hand Industries of Mexico
Land of Mexico
Mexican Agricultural Program
Mexican Children
Mexico City
Patzcuaro
People of Mexico
Rural Life of Mexico
Tehuantepec
Town in Old Mexico
Vera Cruz

MILITARY
America's Call to Arms
Arm Behind the Army
Army Air Force Report
Building a Tank
China Crisis
Combat America
Corsica
Cotton at War
Desert Victory
Diary of a Sergeant
Dutch Tradition
Earth Movers
Fury in the Pacific
Gracias Amigos
Handle with Care
It Can't Last
It's Your America
Mr. and Mrs. America
Negro Soldier
Normandy Invasion
Parachutes for Safety
Peace Comes to America
Perishable—Rush
Photography Fights
Pincers on Japan
Resurrection
Right of Way
Safeguarding Military Information
Secrets
Stillwell Road
Story of a Transport
Survival of the Fittest
Swim and Live
Target for Today
Time for Greatness
Troop Train
Voyage to Recovery
War in Europe
War on Wheels
Western Front

MUSIC
Ballad of the West
Brass Choir
Elements of Composition
Exploring Talent at Interlochen
How to Twirl a Baton
Instruments of the Orchestra
Introducing the Woodwinds
Let's All Sing Together
Music in America
Next Time We See Paris
Percussion Group
Percussion, the Pulse of Music
Rhythm and Percussion
Rhythms: Instruments and Movements
Sounds of Music
Sound and the Story
Story of a Violin
String Instruments
String Choir
Symphony Orchestra
Torment of Beethoven
Vocal Music
Woodwinds and Brass
Woodwind Choir
Your Voice

Orchestral
Brass Choir
Exploring Talent at Interlochen

Film Titles Listed Alphabetically in Body of Catalog

Instruments of the Orchestra
Instruments of the Band and Orchestra: The Brasses
Instruments of the Band and Orchestra: Introduction
Instruments of the Band and Orchestra: The Percussions
Instruments of the Orchestra: The Strings
Instruments of the Band and Orchestra: The Woodwinds
Music in America
Percussion Group
Rehearsal
Rhythm and Percussion
String Choir
String Instruments
Symphony Orchestra
Telephone Hour
Woodwind Choir
Woodwinds and Brass

NATURAL RESOURCES
Adventures of Junior Raindrop
Ancient Mesopotamia
Colorado River
Conservation of Natural Resources
Everyman's Empire
Fire Weather
Flood Weather
Forest Conservation
Forest Ranger
Forest Treasures
Frees Trees to Paper
Grasslands
Harvest for Tomorrow
Heritage We Guard
In Common Cause
It's a Tree Country
It's the Maine Sardine
Lifeblood of the Land
Mighty Columbia River
Missouri and Its Natural Resources
Muddy Waters
Nevada and Its Natural Resources
Northeastern States
Ohio and Its Natural Resources
Operation of a Forest Nursery
Oregon and Its Natural Resources
Our Soil Resources
Pineways to Profit
Powering America's Progress
Rain on the Plains
Realm of the Wild
River, The
Save the Soil
Seeds of Destruction
Shrimp Please
Smoke Jumpers
Story of Coal
Story of Oil
Strength of the Hills
Terracing in the Northeast
Then It Happened
There's More Than Timber in Trees
Tree of Life
Trees for Tomorrow
Trees to Tame the Wind
Washington and its Natural Resources
Water Power
Wildlife and the Human Touch
Wise Land Use Pays
Work of Rivers
Zinc

NEAR EAST
Ancient Mesopotamia

NEW ENGLAND
New England: Background of Literature
New England Fisherman

NORTH CAROLINA
Dare—Birthplace of America
Fingers That See
Grandfather of the Blue Ridge
In the Name of Freedom
North Carolina Variety Vacationland
Tarheel Family
Tarheel Wildlife

PANAMA
Panama: Crossroads of the Western World

PARLIAMENTARY PROCEDURES
Parliamentary Procedure in Action

PERSONAL AND SOCIAL GUIDANCE
Act Your Age
Am I Trustworthy
Appreciating Our Parents
Are Manners Important
Are You a Good Citizen
Are You Popular
Are You Ready for Marriage
Attitudes & Health
Baby Sitter
Beginning to Date
Beginning Responsibility
Benefits of Looking Ahead
Better Use of Leisure Time
Bully
Care of Hair and Nails
Care of the Skin
Cheating
Choosing Your Occupation
College, Your Challenge
Control Your Emotions

Film Titles Listed Alphabetically in Body of Catalog

Date Etiquette
Dating Do's & Don'ts
Describing an Incident
Developing Friendships
Developing Responsibility
Developing Self-Reliance
Developing Your Character
Earning Money While Going to School
Effective Criticism
Everyday Courtesy
Family Life
Friendship Begins at Home
Fun on Being Thoughtful
Fun of Making Friends
Getting Along with Parents
Glen Wakes Up
Going Steady
Good Sportsmanship
Good Table Manners
High School—Your Challenge
How Do You Do
How Do You Know It's Love
How Friendly Are You
How Honest Are You
How to Get Cooperation
How to Give & Take Instructions
How to Say No
Improve Your Personality
Let's Play Fair
Let's Share with Others
Make Your Own Decisions
Making Friends
Marriage Is a Partnership
Meaning of Engagement
No Smoking
Office Courtesy
Office Teamwork
Other People's Property
Outsider
Overcoming Fear
Overcoming Worry
Parties Are Fun
Responsibility
Right or Wrong
School Activities & You
Self-Conscious Guy
Sharing Work at Home
Shy Guy
Snap Out of It
Social Courtesy
Social Dancing
Understand Your Emotions
Understanding Your Ideals
What to Do on a Date
Why Study Foreign Languages
Why Study Latin
You and Your Parents
You and Your Work
Your Thrift Habits

PERU
Lima
Peru
Wealth of the Andes

PHILIPPINES
Philippine Republic

PHYSIOLOGY (See also Diseases and Health)
Alcohol and the Human Body
Alimentary Tract
Body Defense Against Disease
Care of the Feet
Control of Body Temperature
Digestion of Foods
Ears and Hearing
Endocrine Glands
Heart and Circulation
How Do You Stand
Immunization
Learning and Growth
Mechanisms of Breathing
Nervous System
Nose, The (Structure and Functions)
Posture and Exercise
Posture and Locomotion
Skeleton
Teeth
Where Does It Get You
Work of Kidneys

PORTUGAL
Iberian Peninsula
Portugal

PRIMARY GRADE SUBJECTS
Adventures of Bunny Rabbit
Adventures of Willie Skunk
Adventuring Pups
Airplane Trip
America's Wonderlands
Animals Growing Up
Animals in Modern Life
Animals in Winter
Animals of the Zoo
Animals—Ways They Eat
Animals—Ways They Move
Ant City
Appreciating Our Parents
Atomic Alert
Autumn on the Farm
Baby Animals
Bear and Its Relatives
Beaver
Better Reading
Beginning Responsibility

Film Titles Listed Alphabetically in Body of Catalog

Birds of the Countryside
Birds of the Dooryard
Birds of Our Storybooks
Black Bear Twins
Boats
Boy of Mexico, A: Juan and His Donkey
Brazil's Fishing School
Bread
Brotherhood of Man
Building a Highway
Bus Driver
Canoe Country
Care of Hair and Nails
Care of Pets
Care of the Skin
Chicken Little Count to Ten
Children of China
Children of Japan
Children of Russia
Children of Switzerland
Circus Animals
Circus Day in Our Town
Circus People
Classroom Quiz
Colonial Children
Common Animals of the Woods
Common Cold
Cottontail
Courtesy for Beginners
Cow & the Sprite
Cowboy Small
Curious Coati
Dairy Farm
Dangerous Stranger
Day at the Fair
Deer & Its Relatives
Defense Against Invasion
Eggs
Elephants
Enchanted River, The
English Children
Eskimo Children
Family Outing
Farm Animals
Finger-Painting Methods
Fire Prevention in the Home
Fireman
Fisherman's Boy, The
Flipper, the Seal
Flying a Kite
Food Store
Frank and His Dog
Frank Tends the Garden
French Canadian Children
French Children
Friskey, the Calf
Fun in Food
Gardening
Goats
Goldilocks and the Three Bears
Good Eating Habits
Grasshopper, The: A Typical Insect
Gray Squirrel
Greek Children
Halloween Party
Happy Valley
Hare and the Tortoise
Heidi
Honest Woodsman
Hoppy, the Bunny
Horse, The
House I Live In
How Birds Feed Their Young
How Nature Protects Animals
Human Beginnings
Insect Zoo
Irish Children
Italian Children
Jean and Her Dolls
Joan Avoids a Cold
Johnny Appleseed: A Legend of Frontier Life
Kids Must Eat
King Midas & the Golden Touch
Kitty Cleans Up
Learning to Study
Legend of the Pied Piper
Let's Be Childish
Let's Count
Let's Draw with Crayons
Let's Play Fair
Let's Share with Others
Let's Visit a Poultry Farm
Letter to Grandmother
Little Red Hen
Littlest Angel
Live Teddy Bears
Mailman
Making Books
Mary Had a Little Lamb
Mexican Children
Milk
Mother Duck's Surprise
Mother Hen's Family
Navajo Childern
Night Before Christmas
Norwegian Children
Nursery Rhymes
Our Community
Our Foster Mother, the Cow
Paper
Parties Are Fun
Passenger Train
Paul Bunyan and the Blue Ox
Pirro and the Alarm Clock
Play in the Snow
Playground Safety
Policeman

Film Titles Listed Alphabetically in Body of Catalog

Pond Life
Poultry on the Farm
Pueblo Boy
Raindrop Splash
Realm of the Wild
Rikki, the Baby Monkey
Robin Red Breast
Rhythms: Instruments and Movements
Rules & Laws
Rumplestiltskin
Safe Use of Tools
Safety in the Home
Safety on the Street
Safety to and from School
Seashore Life
Shep, the Farm Dog
Sleep for Health
Sleeping Beauty, The
Spanish Children
Sparky, the Colt
Spotty, the Story of a Fawn
Spring on the Farm
Springtime for Jean Marie
Subtraction Is Easy
Summer on the Farm
Surprise for Jean
Talking Valentines
Thirsting Stones, The
Three Fox Fables
Three Little Kittens
Three Wishes, The
Tommy, the Lion
Tommy's Day
Two Little Raccoons
Ugly Duckling
Visit with Cowboys
Washington, the National Capital
Ways to Good Habits
Ways to Settle Disputes
We Explore the Beach
We Go to School
We Visit the Seashore
What Bird Is That
What Is Four
What Is Soil
What Time Is It
Where's the Bunny?
Winter on the Farm
Winter Wonderland
Wonders in Your Own Backyard
Wool
Your Friend, the Doctor
Zoo
Zoo Babies

PRINTING AND ENGRAVING
Brazil Gets the News
Making Books
Modern Lithographer
Newspaper Story
Printing Through the Ages

PROBLEMS OF DEMOCRACY
Defining Democracy
Don't Be a Sucker
How We Elect Our Representatives
Political Parties
Productivity: Key to Plenty
Public Opinion
Your Town—A Story of America

PSYCHOLOGY
Baby's Day at Twelve Weeks
Behavior Day at 48 Weeks
Behavior Patterns at One Year
Children's Emotions
Early Social Behavior
Experimental Studies in Social Climates
From Creeping to Walking
Growth of Infant Behavior
Helping the Child Accept the Do's
Helping the Child Accept the Don'ts
Learning to Understand Children
Other Fellow's Feelings
Posture and Locomotion
Shy Guy
Thirty-six Weeks Behavior Day
Your Children's Sleep

RADIO AND RECORDINGS
Receiving Radio Messages
Sending Radio Messages
Sound Recording and Reproduction
Sound Waves and Their Sources
Vacuum Tube in Radio

RAILROADS
Big Trains Rolling
Meeting the Challenge
Passenger Train
Night Mail

RUSSIA
Children of Russia
Russia

SAFETY
Artificial Respiration
Behind the Wheel
Chance to Lose
Dangerous Stranger
Drive Economically
Fire Prevention in the Home
First Aid
Let's Be Safe at Home
Making of a Shooter
On Two Wheels
Pedestrians
Playground Safety
Practice Makes Perfect Drivers

Film Titles Listed Alphabetically in Body of Catalog

Safe Driving: Fundamental Skills
Safe Living at School
Safe Living in Your Community
Safe Use of Tools
Safety in the Home
Safety on the School Bus
Safety on the Street
Safety to and from School
Your Permit to Drive

SCANDINAVIAN COUNTRIES
Norway
Norwegian Children
Scandinavian Lands: Norway, Sweden, Denmark
Sweden
Sweden Looks Ahead
Wind from the West

SCHOOLS
Elementary School
Fight for Better Schools
Village School
Wilson Dam School

SCIENCE, BIOLOGICAL
Animal Life
Crustaceans (Lobsters, Barnacles, Shrimp, and Their Relatives
Improving Strains of Livestock
Insect Life Cycle (The Periodical Cicada)
Insects
Mollusks (Snails, Mussels, Octopuses, and Their Relatives)
Protozoa (One-Celled Animals)
Reptiles
Worms—The Annelida

Bacteriology
Bacteria—Friend and Foe
Body Defense Against Disease

Birds
Birds Are Interesting
Birds in Winter
Birds of Prey
Birds of the Countryside
Birds of the Dooryard
Birds of the Woodlands
Five Colorful Birds
Robin Redbreast
Ruby Throated Hummingbird
Some Friendly Birds
Water Birds

Botany
Flowers at Work
Fungus Plant
Growth of Flowers
Leaves
Life of a Plant
Mount Ranier
Plant Growth
Plant Traps
Reactions in Plants and Animals
Roots of Plants
Seasonal Changes in Trees
Seed Dispersal

Cell Biology
The World of Life
The Unit of Life
What is a Cell
Chemical Organization of the Cell
Cell Respiration
Patterns of Energy Transfer
Transfer of Materials
Responsiveness
Growth and Replacement
Regulation and Control
Cell Reproduction (Mitosis)
From Atoms to Organisms

Biology—General
Alimentary Tract
Animals in Modern Life
Aphids
Atom and Biological Science
Beach and Sea Animals
Beetles
Biology Plus
Birds of Prey
Birds of the Countryside
Birds of the Dooryard
Body Defense Against Disease
Butterflies
Cell—Structural Unit of Life
Digestion of Foods
Dodder
Earthworm
Frog, The
From One Cell
Grasshopper, The: A Typical Insect
Heredity
Heredity and Environment
Honey Bee
Human Beginnings
Immunization
Introduction to Biology
Life Cycle of Mosquito
Life in a Pond
Life in an Aquarium
Marine Animals and Their Foods
Monarch Butterfly
Nose, The (Structure and Functions)
Pond Insects
Reactions in Plants and Animals
Reproduction Among Mammals
Sunfish
This Vital Earth
Tiny Water Animals
Understanding Vitamins

Genetics
The Science of Genetics

Film Titles Listed Alphabetically in Body of Catalog

Mendel's Segregation
Mendel's Recombination
Inheritance in Man
Genes and Chromosomes
Chromosomes and Sex
Blood Groups, Skin Color and Gene Pools
Mutation
Nature and Nurture
Cytoplasm and Differentiation
Biochemical Genetics
The Treasury of Human Genes

Reproduction, Growth & Development
Patterns of Reproduction
Regeneration
Biography of the Unborn
Dental Assistant
Fundamentals of the Nervous System
The Human Brain
New Frontier of Medicine
The Spinal Column
Take Time for Your Teeth
Work of the Blood

Insects
Ant City
Aphids
Beetles
Beneath Our Feet
Block That Termite
Butterflies
Honey Bee
House Fly
Insect Zoo
Life Cycle of the Mosquito
Monarch Butterfly
Mosquito
Mosquito—Public Enemy
Pond Insects
Spiders

Plant Life
Growth of Seeds
Osmosis

Microbiology
Ameboid Organisms

Multicellular Plants
Stems

SCIENCE, EARTH
Challenge of the Oceans
Planet Earth Series (Based on IGY Research)
Challenge of the Oceans
Cosmic Rays
The Flaming Sky
The Force of Gravity
The Hidden Earth
The Inconstant Air
Magnetic Force
The Nearest Star
Radio Waves
Research by Rockets
Science in Space
Secrets of the Ice
The Shape of the Earth
Eruption of Kilauea

Geography
Airplane Changes our World Map
Alaska
Alaska's Silver Millions
Ancient Trails in North Africa
Andes, The
Argentina
Australia—Sheep Ranch Country
Backward Civilization
Belgium and The Netherlands: Lands and Peoples
Brazil
Central America
Chile
China
Far Western States
France—Food for Paris Markets
French Morocco
Great Britain—Trade and Industry
Great Lakes Area
Great Lakes: Link with Ocean Shipping
Greece
Geography of Australia
Global Concept in Maps
Great Lakes—How They Were Formed
Guatemala—Crossroads of Central America
Holland—Land Behind the Dikes
Iberian Peninsula
Idaho and Its Natural Resources
India
Industrial Provinces of Canada
Israel
Italian Peninsula
Italy
Italy—Peninsula of Contrasts
Java
Latitude and Longitude
Life in Northern Lands
Malaya—Nomads of the Jungle
Maps Are Fun
Maritime Provinces of Canada
Mexico: Geography of the Americas
Middle East, The: Crossroads of Three Continents
Middle States
Midwest USA
New York USA
Nile River Valley and People of the Lower River

Film Titles Listed Alphabetically in Body of Catalog

Northeast USA
Northeastern States
Northwest USA
Northwestern States
Norway
Pacific Canada
Palestine
Peru

Russia
Scandinavian Lands: Norway, Sweden, Denmark
Slovakia
South Africa

South America
Southeast USA
Southeastern States
Southwest USA
Southwestern States
Sweden
Switzerland
Territorial Expansion
Territorial Possessions
U.S. Community and Its Citizens
Washington and Its Natural Resources
West Indies
Western Europe: An Introduction
Western Germany: The Land and the People

Geology
Conservation Series (primary)
Your Friend the Forest
Your Friend the Soil
Your Friend the Water
Eruption of Kilauea
Face of the Earth
Geological Work of Ice
Ground Water
Limestone Caverns
Mount Rainier
Mountain Building
Prehistoric Times: World Before Man
Volcanoes in Action
What Is Soil

Archaeology and Anthropology
Ancient Trails in North America
Backward Civilization
Navajo Indians
Prehistoric Times: World Before Man
Watussi of Africa

SCIENCE (Elementary)

Elementary Science
Adventures of Bunny Rabbit
African Fauna
Air All Around Us
Airplane Changes Our World Map
Airplanes and How They Fly
Animal Growing Up
Animals in Modern Life
Animlas of the Zoo
Animals—Ways they Eat
Animals—Ways they Move
Ant City
Atomic Alert
Autumn on the Farm
Beach and Sea Animals
Bear and Its Relatives
Birds Are Interesting
Birds in Winter
Birds of Prey
Birds of the Countryside
Birds of the Dooryard
Birds of the Woodlands
Black Bear Twins
Building a Highway
Butterflies
Care of Pets
Common Animals of the Woods
Common Cold
Defense Against Invasion
Eggs
Field Trip to a Fish Hatchery
Fire
Five Colorful Birds
Flipper, the Seal
Flow of Electricity
Flowers at Work
Force of Gravity
Friction
Gardening
Gift of Ts'ai Lun—Paper
How Birds Feed Their Young
How Man Made Day
How Nature Protects Animals
How to Be Well Groomed
Insect Zoo
Joan Avoids a Cold
Leaves
Life in a Drop of Water
Life in an Aquarium
Life in a Pond
Life in the Desert
Life of a Plant
Light and Shadow
Limestone Caverns
Live Teddy Bears
Magnets
Making Electricity
Man Who Missed His Breakfast
Maps Are Fun
Milk
Monarch Butterfly
Mosquito
Mother Hen's Family

Film Titles Listed Alphabetically in Body of Catalog

Nature's Chemistry
Our Common Fuels
Paper
Plant Growth
Pond Life
Poultry on the Farm
Realm of the Wild
Rikki, the Baby Monkey
Robin Red Breast
Seashore Life
Seasonal Changes in Trees
Shep, the Farm Dog
Simple Machines
Sleep for Health
Snapping Turtle
Solids, Liquids and Gases
Some Friendly Birds
Spring on the Farm
Story of Coal
Story of Oil
Summer on the Farm
Sunfish
Sun's Family
Synthetic Fibers
Things Expand When Heated
This Is the Moon
This Vital Earth
Three Little Kittens
Thunder and Lightning
Water Birds
Water Cycle
Water Works for Us
Ways to Good Habits
What Bird Is That
What Is Soil
What Is Sound
What Makes a Desert
What Makes Day and Night
What Makes Rain
Winter on the Farm
Wonder of Chemistry
Wonders in Your Own Backyard
Wool
Zoo
Zoo Babies

Science For Primary Grades

Learning About Animals:

Adventures of a Chipmunk Family
A Balanced Aquarium
Elephant Baby
The Little Black Lamb
Mother Rabbit's Family
Palomino: The Golden Horse
The Raccoons' Picnic
Sea Adventure of Sandy the Snail
Tippy—The Town Dog

Learning About The Physical World:

Learning About Flowers
Michael Discovers the Magnet

Learning About The Seasons:

Children in Autumn
Children in Spring
Children in Summer
Children in Winter

Science (General)

Air All Around Us
Airplanes and How They Fly
Airplanes Changes Our World Map
Ant City
Antibiotics
Aphids
Arteries of Life
Atmosphere and Its Circulation
Beach and Sea Animals
Beetles
Birth of the Soil
Body Defense Against Disease
Carbon and Its Compounds
Carbon Fourteen
Chemistry in a Changing World
Clouds
Earth and Its Seasons
Earth in Motion
Electrons
Electrostatics
Elements of Electrical Circuits
Energy and Its Transformations
Evolution of the Oil Industry
Exploring the Universe
Fire
Force and Motion
Flowers at Work
Forest Conservation
Fuels and Heat
Fundamentals of Diet
Galileo's Laws of Falling Bodies
Glass: From the Old to the New Through Research
Gravity
Ground Water
Growth of Flowers
Heart and Circulation
Helicopter, The
Heritage We Guard
Home Electrical Appliances
Honey Bee
House Fly
How We Get Our Power
Latitude and Longitude
Learning About Heat
Learning About Leaves
Learning About Light
Learning About Sound
Life in a Drop of Water

Film Titles Listed Alphabetically in Body of Catalog

Life in a Pond
Life of a Plant
Light Waves and Their Uses
Limestone Caverns
Magnetism
Mammals of the Rocky Mountains
Mammals of the Weste.n Plains
Matter and Energy
Measurement of Electricity
Microscope and Its Use
Molecular Theory of a Matter
Moon, The
Mosquito
Mosquito—Public Enemy
Mount Rainier
Mountain Building
Nature of Color
Nature of Light
Nature of Sound
Nature's Chemistry
Nervous System
Our Common Fuels
Our Earth
Our Soil Resources
Oxidation and Reduction
Petroleum
Plant Life at Work
Principles of Refrigeration
Properties of Water
Reactions in Plants and Animals
Realm of the Wild
Roots of Plants
Rx
Science and Agriculture
Science and Superstition
Seed Dispersal
Seeds of Destruction
Series and Parallel Circuits
Simple Machines
Snakes
Snapping Turtle
Solar Fam ly
Solar System
Solids, Liquids and Gases
Spiders
Steam Engine
Story of a Storm
Story of Coal
Story of Electricity

Biological Science For Middle Grades
Animal Homes
Animals at Work in Nature
Animals in Autumn
Animals in Spring
Animals in Summer
Animals of the Indian Jungle
Ants
Big Animals of Africa
Big Land Animals of North America
Bird Homes
Fire Ant on Trial
Goldfinch Family
Gray Gull the Hunter
Learning about Leaves
Life in the Forest
Life in the Grasslands
Life in the Sea

Horizons Of Science:
Exploring the Edge of Space
The Flow of Life
The Mathematician and the River
Neutrons and the Heart of Matter
New Lives for Old
Project "Mohole"
The Realm of the Galaxies
"Thinking" Machines
Visual Perception
The Worlds of Dr. Vishniac

Science, Natural

Chemistry
Archimedes Principle
Catalysis
Chemistry and a Changing World
Colloids
Crystals, An Introduction
Electrochemistry
Fire
Halogens
Handle with Care
Introduction to Chemistry
Magic of Sulfur
Oxidation and Reduction
Oxygen
Preface to Chemistry
Science of Soap
Scientific Method
Sulphur and Its Compounds
Techniques of Organic Chemistry, 1, 2, 3, 4
Velocity of Chemical Reaction
Wonder of Chemistry

Science, Physical

Astronomy
Earth in Motion
Exploring the Night Sky
Exploring the Universe
Moon, The
Solar Family
Solar System

Light Heat and Sound
Energy from the Sun
The Speed of Light
Story of Television

Film Titles Listed Alphabetically in Body of Catalog

Mechanics
- Atmospheric Pressure
- Laws of Motion
- Weighing with the Analytical Balance

Physics

(General)
- Atmosphere and Its Circulation
- Atom and Medicine
- Atom Smashers
- Atomic Radiation
- Atomic Energy
- Atomic Power
- Beyond Uranium
- Distributing Heat Energy
- Electrodynamics
- Electrons
- Electrostatics
- Elements of Electrical Circuits
- Energy and Its Transformations
- Flow of Electricity
- Fundamentals of Acoustics
- Home Electrical Appliances
- How Big Are Atoms?
- Introduction to Electricity
- Light & Shadow
- Light Waves and Their Uses
- Making Elements
- Measurement of Electricity
- Mechanics of Liquids
- Modern Alchemy
- Molecular Theory of Matter
- Ohm's Law
- Out of the Dark
- Petrified River
- Preface to Physics
- Primary Cell
- Problems of Light
- Series and Parallel Circuits
- Solids, Liquids & Gases
- Sound Recording and Reproduction
- Sound Waves and Their Sources
- Story of Electricity
- Theory of Flight
- Thermodynamics
- Vacuum Tube in Radio
- What is Electricity
- What Makes Atoms Stick Together
- Why Are Atoms Unpredictable?

(PSSC Series)
- Behavior of Gases
- Change of Scale
- Collisions of Hard Spheres
- Conservation of Energy
- Coulomb's Force Constant
- Coulomb's Law
- Counting Electrical Charges in Motion
- Crystals
- Definite and Multiple Proportions
- Deflecting Forces
- Elastic Collisions and Stored Energy
- Electrical Potential Energy and Potential Differences
- Electric Fields
- Electric Lines of Force
- Electromagnetic Waves
- Electrons in a Uniform Magnetic Field
- Elementary Charges and Transfer of Kinetic Energy
- Elements, Compounds and Mixtures
- Elliptic Orbits
- EMF
- Energy and Work
- Forces
- Frames of Reference
- Franck-Hertz Experiment
- Free Fall and Projectile Motion
- Inertia
- Inertial Mass
- Interference of Photons
- Introduction to Optics
- Long Time Intervals
- Magnetic Laboratory
- Mass of the Electron
- Matter Waves
- Measuring Large Distances
- Measuring Short Distances
- Measurement
- Mechanical Energy and Thermal Energy
- Millikan Experiment
- Periodic Motion
- Photo-Electric Effect
- Photons
- Pressure of Light
- Random Events
- Rutherford Atom
- Short Time Intervals
- Simple Waves
- Sound Waves in Air
- Speed of Light
- Straight Line Kinematics
- Time and Clocks
- Universal Gravitation
- Vector Kinematics
- Vectors

Space Science
- The Air Around Us
- American in Orbit
- Earth Satellites
- Explorer Launching
- Minerals and Rocks
- Nothing But Air
- Rockets: How They Work

Film Titles Listed Alphabetically in Body of Catalog

A Trip to the Moon
Water in the Air

SEASONS
Autumn on the Farm
Earth and Its Seasons
Spring on the Farm
Summer on the Farm
Winter on the Farm

SOCIAL ETHICS
Boss Comes to Dinner
How Do You Do

SOCIAL STUDIES
Airplane Changes Our World Map
Airplane Trip
Alaska
Alaska's Silver Millions
American Portrait
Americans All
Ancient Mesopotamia
Animals in Modern Life
Animals in Winter
Apache Indian
Argentine
Arizona and Its Natural Resources
Arteries of the City
Arts and Crafts of Mexico
Atom and Biological Science
Atom and Industry
Atom and Medicine
Atom Smashers
Atomic Radiation
Atomic Alert
Atomic Power
Attraction of the Southern Highlands
Australia—Sheep Ranch Country
Autumn on the Farm
Backfire
Backward Civilization
Basic Court Procedures
Boats
Brazil
Bread
Britain and Her Empire
Building a Highway
Building America's Houses
Building the Panama Canal
Bus Driver
Canals of England
Candle Making
Capitalism
Captain John Smith
Cattlemen, The
Challenge to Democracy
Children of China
Children of Holland
Children of Japan
Children of Russia
Children of Switzerland
Chile
China
Christmas Rhapsody
Christmas through the Ages
City, The
City Water Supply
Colombia and Venezuela
Colonial Children
Colonial Life in the South
Colorado River
Community Governments: How They Function
Conservation of Natural Resources
Consumption of Foods
Corn Farmer
Cotton
Crop That Never Fails
Cuba: The Land & the People
Day at the Fair
Day of Thanksgiving
Day with English Children
Defending the City's Health
Development of Communication
Development of Transportation
Discussion in Democracy
Distributing America's Goods
Early Settlers of New England
English Children
Eskimo Children
Far Western States
Field Trip to a Fish Hatchery
Fireman
Fire Weather
Flatboatmen of the Frontier
Food Store
Forest Conservation
Forest Ranger
Forest Treasures
France—Food for Paris Markets
Franklin, Benjamin
Fred Meets a Bank
French Canadian Children
French Children
French Morocco
Frontiers of Faith
Fur Trapper of the North
Glen Wakes Up
Great Britain—Trade and Industry
Great Lakes Area
Great Lakes and How They Were Formed
Greece
Greek Children
Cities: How They Grow
Guatemala—Crossroads of Central America
Hare and the Tortoise
Harvest for Tomorrow
Helping the Child Accept the Do's

Film Titles Listed Alphabetically in Body of Catalog

Helping the Child to Face the Don'ts
Here Is Tomorrow
Heredity & Environment
Hindu Family
Holland—Land Behind the Dykes
Home Landscaping
Hopi Indian
Horse, The
Iberian Peninsula
Immigration
India
Industrial Provinces of Canada
Industrial Revolution
Introduction to Foreign Trade
Ireland
Irish Children
Israel
It Takes Everybody to Build This Land
Italian Children
Italian Peninsula
Italy
Italy—Peninsula of Contrasts
It's Everybody's Business
Java
Jefferson, Thomas
Johnny Appleseed: A Legend of Frontier Life
Junior Citizen
Kentucky Pioneers
King Cotton
Land of Mexico
Laplanders
Let's Be Childish
Let's Visit a Poultry Farm
Life Along Waterways
Life in Hot Dry Lands
Life in Hot Wet Lands
Life in Lowlands
Life in Mountains
Life in Old Louisiana
Life on a French Farm
Lifeblood of the Land
Lima Family
Longfellow, Henry Wadsworth
Mainline U.S.A.
Mailman
Major Religions of the World
Making Books
Making Cotton Clothing
Making Shoes
Malay Peninsula, Land & People
Malaya
Maritime Provinces of Canada
Meet Your Federal Government
Men of Gloucester
Men Who Grow Cotton
Mexican Children
Mexico Valley
Middle States
Midwest USA
Mighty Columbia River
Modern France: Land & People
Modern Hawaii
Mount Rainier
Mt. Vernon in Virginia
Navajo Children
Navajo Indians
New England Fisherman
New York USA
Newspaper Story
Nile River Valley and People of Lower River
Northeast USA
Northeastern States
Northwest USA
Northwestern States
Norway
Norwegian Children
Operation Hurricane
Opportunities Unlimited
Orange Grower
Our Community
Our Country's Flag
Our Earth
Pacific
Pacific Canada
Painting with Sand
Palestine
Panama: Crossroads of the Western World
People Along the Mississippi
People of the Congo
People of Hawaii
People of Mexico
People of Western China
Peoples of the Soviet Union
Peru
Pilgrims
Pioneer Home
Pioneers of the Plains
Plantation System in Southern Life
Planter of Colonial Virginia
Policeman
Portugal
Prairie Provinces of Canada
Printing through the Ages
Propaganda Techniques
Property Taxation
Public Opinion in Our Democracy
Pygmies of Africa
Reformation, The
Remnants of Frontier Life
River, The
Rules & Laws
Rural Life of Mexico
Sharing Economic Risks
Singing on the Mountain
Slovakia
South Africa

Film Titles Listed Alphabetically in Body of Catalog

South America
Southeast USA
Southeastern States
Southwest USA
Southwestern States
Spain: The Land & People
Spanish Children
Story of Money
Story of Oil
Story of Our Flag
Sweden
Switzerland
Tale in a Tea Cup
Tarheel Family
Teacher
They Need to Know
Truck Farmer
Tunisie Perle Du Djirid
Two Views on Socialism
United States
U. S. Community and Its Citizens
Visit to Ireland
Visit with Cowboys
War Came to America
Washington, George
Watussi of Africa
Western Europe
Westward Movement
What Is a Contract
What Is a Map
What Is Money
What Makes a Desert
Wheat Farmer
Why We Respect the Law
Wind from the West
Wool

SOUTH AMERICA

Americans All
Andes
Argentine
Brazil
Chile
Colombia and Venezuela
Peru
South America
Wildacres

SPAIN

Iberian Peninsula
Spain: The Land & the People
Spanish Children

SPEECH

Speech: Function of Gestures
Speech: Planning a Talk
Speech: Platform Posture & Movement
Speech: Stage Fright & What to Do About It
Speech: Using Your Voice

STUDY SKILLS

Building an Outline
Discussion in Democracy
Do Better on Your Examinations
Effective Criticism
Find the Information
How to Concentrate
How to Give & Take Instructions
How to Judge Authorities
How to Judge Facts
How to Read a Book
How to Remember
How to Think
How to Write Effectively
How to Write Your Term Paper
How We Learn
Importance of Making Notes
Improve Your Reading
Keep Up with Your Studies
Learning from Class Discussion
Why Study Foreign Languages
Why Study Latin

SWITZERLAND

Children of Switzerland
Life in Mountains
Switzerland

TRANSPORTATION

Airplane Changes Our World Map
Airplane Trip
Arteries of the City
Boats
Bus Driver
Canals of England
Development of Transportation
Distribution of Foods
Meeting the Challenge
Night Mail
Passenger Train
Travel—The Tourist's Europe

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Archery for Girls

Badminton

Badminton Fundamentals

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Baseball-by-the-Code
Baseball Rookie
Baseball Today
Batting
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Double Play Kings
Infield Play at 1st and 3rd
Modern Baseball
Official Baseball
Play Ball, Son
World Series 1948-49-50-51-52-54-55

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- Ball Handling in Basketball
- Basketball for Millions
- Basketball Today
- Defensive Footwork in Basketball
- Modern Basketball
- Shooting in Basketball
- Understanding Basketball

Football
- Ball Handling in Football
- Better Football
- Blocking in Football
- Football for Millions
- Football Today
- Tackling in Football
- This Is Football

General Recreation and Sports
- American Square Dance
- Baseball-by-the-Code
- Davis Cup Tennis 1954
- Football for Millions
- Good Sportsmanship
- How to Twirl a Baton
- Improving Your Posture
- Leaders for Leisure
- Making a Shooter
- Official Football (IHSA)
- Official Football (OSFS)
- People Dance
- Play in the Snow
- Playground Safety
- Playtown USA
- Simple Stunts
- Social Dancing
- Thousand Dollars for Recreation

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Softball
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- Softball for Girls
- Softball Fundamentals

Speedball
- Speedball for Girls

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Tennis
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- Davis Cup Tennis 1954
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- Elementary School
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- Field Trip to a Fish Hatchery
- Film Research and Learning
- Fundamental Skills in a Unit of Work
- Handmade Materials for Projection
- He Acts His Age
- High Contrast Photography for Instruction
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Child Development Series
Children's Play
Heredity and Prenatal Development
Principles of Development

Counseling Adolescents Series
Counselor's Day
Diagnosis and Planning Adjustments in Counseling
Meeting the Needs of Adolescents
Social Development
Using Analytical Tools

Educational Psychology Series
Challenge of the Gifted
Problem of Pupil Adjustment—The Drop Out
Problem of Pupil Adjustment—The Stay-in

Elementary School Teacher Education Series
Developmental Characteristics of Pre-Adolescents
Discovering Individual Differences
Each Child Is Different

NEA—NCEA Films
All in a Lifetime
And Gladly Teach
Are Our Schools Up to Date?
Can We Help the Slow Learner
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How Good Are Our Schools?
How Much Homework is Enough?
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Schools, Satellites and Survival
See How They Learn
Should I Know My Child's IQ?
Summer Harvest
Time for Talent
Time of their Lives
Watch Out for Ollie
What Are Teaching Machines?
Who Is Pete?
Will We Have Year-'Round Schools?

Planning for Teaching Series
Effective Learning in the Elementary School
Guiding the Growth of Children
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Promoting Pupil Adjustment
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Airport
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The Monkey Who Would Be King
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Puss in Boots
Santa and the Fairy Snow Queen
Skipper Learns a Lesson

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The Search: Ohio University (Dr. Samuel Renshaw—visual perception)
The Search: Yale University (Techniques to determine normalcy in children)
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Abegweit
Alchemy of Fire
A Date with British Columbia
Avalon Holiday
Away From It All
Banff and Lake Louise
Beautiful Bonne Bay
Big Country, Big Fish
Big White Water
Birds of the Seashore
Bluefin Rodeo
Blue Nose Holiday
Blue Water Holiday
The Cape Islander
Carnival in Quebec
City of Many Faces
Coho Salmon on the Fly
A Double in Bluefins
Fishing in Newfoundland
Fishing in the Foothills Province
Fraser's Country
Glooscap Country
Hunting in the Foothills Flyway
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New Brunswick Without Fishing?
Newfoundland Doubleheader
Newfoundland
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Nova Scotia Saga
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Ottawa—Canada's Capital
Our Man in Muskoka
Outdoor Country
Painting a Province
Panorama of a Province
Paydirt Angling
Picturesque Gaspe
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Riding High
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Stampede Stopover
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Historic Highway—Upper Canada
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Men of Gloucester
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Winter Wonderland
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Story of Prehistoric Man
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Holy Land: Background for History and Religion
Writing Through the Ages

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Ancient Greece
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Assassination of Julius Caesar

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Byzantine Empire
Decline of the Roman Empire
Our Inheritance from Historic Greece
Rise of the Roman Empire
Triumph of Alexander The Great

The Middle Ages
English History: Earliest Times to 1066
English History: Norman Conquest to 15th Century
Meaning of Feudalism
Medieval Crusades
Medieval Guilds
Medieval Knights
Medieval Manor
Medieval World
Mohammedan World: Beginnings and Growth

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The Renaissance
The Reformation
Rise of Nations in Europe
Vikings and Their Explorations

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Age of Discovery: English, French and Dutch
Age of Discovery: Spanish and Portuguese Exploration
Colonial Expansion of European Nations
Early American Civilizations
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Pacific
Spanish Conquest of the New World

Age of Political and Social Revolution
English History: Tudor Period
English History: Absolutism and Civil War
English History: Restoration and Glorious Revolution
English History: Nineteenth Century Reforms
French Revolution
Industrial Revolution
Last Day of An English Queen
Meaning of Industrial Revolution
Napoleonic Era
Napoleon's Return from Elba
Triumph of Louis Braille

Growth of Democracy and Nationalism
Germany: Feudal States to Unification
Imperialism and European Expansion
India's History: British Colony to Independence

World War I
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Chamberlain at Munich
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War in Europe
World at War
World War I: Background
World War I: The War Years
World War I: Building the Peace

ZOOLOGY (See Animals and Biology)

EXPLANATION OF ABBREVIATIONS IN CATALOG

AC—American Can Company
ACADEMIC—Academic Film Company, Inc.
ACADEMY—Academy Films
AFP—American Forest Products
AFS—American Film Services
AI—Athletic Institute
ALMANAC—Almanac Films, Inc.
AMCANCER—American Cancer Society
AM LIFE INS—American Life Insurance Company
ASSN F—Association Films
ASSN AM RR—Association of American Railroads
ASTOR—Astor Pictures Corporation
BAILEY—Bailey Films, Inc.
BARR—Arthur Barr Productions
BH&G—Better Homes and Gardens
BIS—British Information Services
BM—Bureau of Mines
B&O—Baltimore and Ohio Railroad
BRANDON—Brandon Films
C—Castle Films
CC—Chrysler Corporation
CFS—Capital Film Service
CO-OP—Cooperative League of US
CORONET—Coronet Instructional Films
C-W—Churchill-Wexler
duPONT—E. I. duPont de Nemours & Co.
DUROC—Duroc Company
EASTIN—Eastin Pictures Company
EBF—Encyclopaedia Britannica Films
EFLA—Educational Film Library Association
FA—Franco-American Audio-Visual Distributors
FCE—Film Classic Exchange
FF—French Films
FFFd—Farm Film Foundation
FILMS INC—Films Incorporated
FIRESTONE—Firestone Tire and Rubber Company
FON—Films of the Nations
FORD—Ford Motor Company
FP—Film Publishers Inc.
FRITH—Frith Films
GATEWAY—Gateway Productions Inc.
GEN MILLS—General Mills Film Library
GM—General Motors Corporation
GP—General Pictures Productions Inc.
GREYHOUND—Greyhound Bus Company
GUT—Walter O. Gutlohn
HAM—Hammermill Paper Company
HARTLEY—Hartley Productions

EXPLANATION OF ABBREVIATIONS IN CATALOG

HFE—Hollywood Film Enterprises
HOFFBERG—Hoffberg Productions Inc.
HWO—Hamilton Wright Organization
IFB—International Film Bureau
IFF—International Film Foundation
INT.GEO—International Geographic Pictures
JH—Jim Hardy Organization
JOHNSON-HUNT—Johnson Hunt Productions
KB—Knowledge Builders
KFd—Kellogg Foundation
LF—Library Films
M—Carl F. Mahnke Productions
McCRARY—McCrary Films
McGRAW-HILL—McGraw-Hill Book Company
MITCHELL—Stuart Mitchell
MOD—Modern Talking Pictures
MOT—March of Time
NAM—National Association of Manufacturers
NCEA—North Carolina Education Association
NCCD—North Carolina Conservation and Development
NCCJ—National Conference of Christians and Jews
NCWC—North Carolina Wildlife Commission
NEF—National Education Films
NFB—National Film Board of Canada
NMC—National Music Camp
NSPB—National Society for the Prevention of Blindness
NSS—National School Service
NYC—New York Central System
OIAA—Office of Inter-American Affairs
OSFS—Official Sports Film Service
OWI—Office of War Information
PA.SC—Pennsylvania State College
PAUL HOEFLER—Paul Hoefler Productions
PF—Pictorial Films
PFC—Princeton Film Center
POCKET BOOKS—Pocket Books Inc.
PORTAFILMS—Portafilms
POT.IN—Potash Institute
PUB HEALTH—Public Health
RNR—Richmond News Reader
SI—Sugar Information
SQUIBB—House of Squibb
SR-DC—Spokesman Review and Daily Chronicle
SWITLIK—Switlik Company
TAD—Training Aids Division
TAE—Teaching Aids Exchange
TB—Tuberculosis Association
TEA BUR—Tea Bureau Film Library

EXPLANATION OF ABBREVIATIONS IN CATALOG

TF—Transfilm Inc.
TFC—Teaching Film Custodians
TVA—Tennessee Valley Authority
U. OF CALIF—University of California
UNFILM—United Nations, Film Division
USDA—US Department of Agriculture
USMC—US Marine Corps
USN—US Navy
USOE—US Office of Education
UST—US Treasury
USWB—US Weather Bureau
UWF—United World Films Inc.
VA.DC—Virginia Dept. of Conservation
VENEER—Veneer Association
YA—Young America Films Inc.

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VERSITY OF NORTH CAROLINA
AT CHAPEL HILL

EXTENSION BULLETIN

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DUCATIONAL TESTS

OOL TESTS AND MATERIALS
BERNETHY HALL • PHONE 933-1101
CHAPEL HILL, NORTH CAROLINA

APRIL 1964

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EXTENSION BULLETINS

Vol. XXVI, No. 1	*University Extension in Action.* By Russell M. Grumman. Price $1.00.
Vol. XXXIII, No. 3	*Lectures in the Humanities. Ninth Series.* Price 50¢.
Vol. XXXIII, No. 4	*Producing America's Outdoor Dramas.* By Samuel Selden. Price 50¢.
Vol. XXXIV, No. 2	*Lectures in the Humanities.* Tenth Series. Price 50¢.
Vol. XXXV, No. 2	*The Future of the United Nations in Helping to Build World Peace.* Peace Handbook. Compiled by E. R. Rankin. Price 50¢.
Vol. XXXV, No. 3	*Lectures in the Humanities.* Eleventh Series. Price 50¢.
Vol. XXXVI, No. 1	*The United Nations—Its Problems and Opportunities.* Peace Handbook. Compiled by E. R. Rankin. Price 50¢.
Vol. XXXVI, No. 3	*Lectures in the Humanities.* Twelfth Series. Price 50¢.
Vol. XXXVII, No. 3	*The United Nations in the Search for World Peace.* Peace Handbook. Compiled by E. R. Rankin. Price 50¢.
Vol. XXXVII, No. 4	*Lectures in the Humanities.* Thirteenth Series. Price 50¢.
Vol. XXXVIII, No. 2	*The Role of the United Nations in the Modern World.* Peace Handbook. Compiled by E. R. Rankin. Price 50¢.
Vol. XXXIX, No. 1	*The United Nations in the Space Age.* Peace Handbook. Compiled by E. R. Rankin. Price 50¢.
Vol. XXXIX, No. 2	*Audio-Visual Materials for Schools, Colleges, Churches, and Adult Study Groups.* Price $1.00.
Vol. XL, No. 1	*The United Nations and World Peace.* Peace Handbook. Compiled by E. R. Rankin. Price 50¢.
Vol. XL, No. 2	*Correspondence Instruction.* Free.
Vol. XLI, No. 1	*The Achievements and the Prospects of the United Nations.* Peace Handbook. Compiled by E. R. Rankin. Price 50¢.
Vol. XLII, No. 1	*Correspondence Instruction Catalogue 63-64.* Free.
Vol. XLII, No. 2	*Writers by Moonlight*—Edited by Manly Wade Wellman.
Vol. XLIII, No. 1	*Audio-Visual Materials for Schools, Colleges, and Adult Study Groups.* Price $1.00.
Vol. XLIII, No. 2	*Educational Tests Catalogue.* Free.

University of North Carolina
Extension Bulletin

Educational Tests

School Tests and Materials
Chapel Hill, N. C.
204 Abernethy Hall
Phone 933-1101

Foreword

The use of standardized tests in instruction has become accepted practice in public schools of today. The need for a central depository where teachers can go to examine and select tests appropriate to their needs and also receive professional counsel on testing problems is always pressing.

Ninety per cent of the State's elementary schools with four or more teachers have used one or more kinds of published tests within the past two years according to 1467 replies to a questionnaire issued by the Department of Public Instruction in a recent survey of testing practices. Almost twenty per cent of these schools have a continuing or long range program of testing.

The services of the School Tests and Material office of the Extension Division of the University of North Carolina can be of inestimable value to the public schools of North Carolina in this phase of instruction.

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Scoring Services for Schools

The School Tests Office does not score answer sheets, but the University Testing Service is prepared to machine-score most tests used in the public schools and also to make such statistical studies and summaries as may be needed by schools to obtain maximum benefit from their testing programs.

The Testing Service makes a charge of 2¢ *per score* for machine-scoring. For additions and other simple computations and for looking up percentile ranks or other derived scores, the fee is usually 1¢ per operation. The *School and College Ability Test,* for example, has three raw scores: Verbal, Quantitative and Total. For obtaining the two independent scores and adding to make the Total the charge is 5¢. If hand-scoring is necessary because of the nature of the test or because of inadequate marking, the fee will usually be 4¢ per score.

Tests to be machine-scored require the use of IBM-type answer sheets and electrographic pencils. For accurate scoring it is essential that the instructions found in the test manuals be followed carefully. To insure good marking of answer sheets, the teachers should have the students go over their marks a second time, after the test booklets have been collected.

Arrangements for scoring should be made directly with the Testing Service. All inquiries concerning scoring should be addressed to:

Director Dr. J. W. Little
University Testing Service
Box 998
Chapel Hill, N. C.

Ordering Procedure

The title of each test and the form desired should be indicated.

If there is no specific choice of form, state "any form."

Please note the number of pupils to be tested, and order in *packaged quantities* the amount of tests required. *We do not break packages,* so care should be taken to order the number of packages which will come closest to filling your needs. Most tests are packaged in 35's, although some come in packages of 20's or 25's and a few are sold individually. Unless otherwise stated, complete accessories come with each package of tests.

Tests will be shipped either by parcel post, motor express, or railway express, whichever is least expensive and most expedient. Transportation costs will be added to the invoice. 3% sales tax is also added to each order.

Each order should designate the name of the person to whom the shipment is to be sent as well as the school name and complete address. Each order *must* indicate clearly how the charge is to be made.

All orders must be approved by the school principal, superintendent, or supervisor. Tests are not sent to individuals without such authorization, and unless they are charged to a school, remittance must accompany the order. Allow twenty-four cents per package for mailing costs.

Lack of space prevents our stocking a sufficient number of tests for large, extensive programs, so quantity orders should be sent well in advance of the testing date to allow time for us to supply those needs.

When special orders are requested for tests not stocked, the cost of telegram and special delivery postage will be charged to the school.

Orders should be sent directly to:

School Tests and Materials
Box 1050
Chapel Hill, N. C.

Intelligence Tests

A.C.E. PSYCHOLOGICAL EXAMINATION FOR HIGH SCHOOL STUDENTS (Copyright 1953) **Grades 9-12**

This test is valuable for indicating a student's mental ability and the caliber of school achievement that might be expected from him. The part scores have immediate value in both academic and vocational guidance, and the results are meaningful to colleges when presented as a part of the applicant's high school record.

The examination has two distinct parts: Linguistic (yielding the L-score) and Quantitative (yielding the Q-score). The L-score is indicative of ability to succeed in those fields which require proficiency with language and facility of expression. The Q-score measures ability to deal with the type of material covered in technical curricula. Time: 55 minutes.

A.C.E. PSYCHOLOGICAL EXAMINATION FOR HIGH SCHOOL STUDENTS	FORM	NET PRICE
Test Booklets		$4.80 pkg/25
Answer Sheets		1.25 pkg/25
Scoring Stencils		.60 each
Manuals		.30 each
Class Records		.10 each

A.C.E. PSYCHOLOGICAL EXAMINATION FOR COLLEGE FRESHMEN (Copyright 1954) **COLLEGE FRESHMAN**

This examination is especially designed for the appraisal of scholastic aptitude, or general intelligence, with reference to the requirements of most college curricula. The test has two distinct parts: Linguistic (yielding the L-score) and the Quantitative (yielding the Q-score). The L-score measures ability to deal with the type of material covered in technical curricula. Separate and composite scores are readily obtainable. Time: 60 minutes.

A.C.E. PSYCHOLOGICAL EXAMINATION FOR COLLEGE FRESHMEN	FORM	NET PRICE
Test Booklets		$4.80 pkg/25
Answer Sheets (required)		1.25 pkg/25
Scoring Stencil (required)		.60 each
Manuals		.30 each

ARMY GENERAL CLASSIFICATION TEST—Civilian Edition **H.S. AND COLLEGE**

This intelligence test measures general learning ability and helps predict success in many school courses and industrial occupations. Scores can also be used to predict scholastic and college success. It is an especially useful and helpful group intelligence test because it covers a wide range of ability, includes a broad sampling of different types of ability

and provides a good balance between these abilities. It was first developed for service men and women and revised for civilian use. A carbon answer pad, for the AH booklets, or a machine answer sheet, for the AM booklets, must be ordered for each student. No carbon answer pad comes with the booklets. Time: 50 minutes.

ARMY GENERAL CLASSIFICATION TEST—Civilian Edition	FORM	NET PRICE
Reusable Booklets	AH or AM	$ .60 each
Carbon Answer Pads	AH	2.45 pkg/20
Machine Answer Sheets	AM	.06 each
Machine Stencils	AM	1.05 per set
Manuals	AH, AM	.30 each

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CALIFORNIA TEST OF MENTAL MATURITY (LANGUAGE AND NON-LANGUAGE)—LONG FORM (Copyright 1957)—Kindergarten-Adult

This test is made up of several sub-tests arranged under the headings of memory, spatial relations, logical reasoning, numerical reasoning, and verbal concepts. The test yields both mental ages and intelligence quotients for the language and non-language sections and for the total test. The levels, Elementary through Advanced, may be hand or machine-scored. Booklets become reusable when either the separate hand-scoring scoreze or the machine-scoring answer sheets are used. The machine answer sheets may also be hand scored. No key is needed with the scoreze, but a set of stencils must be used for scoring the machine sheets, either by hand or machine. Separate answer sheets are optional.

CALIFORNIA TEST OF MENTAL MATURITY (LANGUAGE AND NON-LANGUAGE)	FORM	NET PRICE
Pre-Primary (Kindergarten) 2-45 min. periods	Long	$6.70 pkg/35
Primary (Grades 1-3) 2-45 min. periods	Long	$6.70 pkg/35
Elementary (Grades 4-8) 2-45 min. periods	Long	$6.70 pkg/35
Scorezes: Language	Long	.11 each
Non-Language	Long	.11 each
IBM Answer Sheets: Language	Long	.06 each
Non-Language	Long	.06 each
Machine Stencils	Long	.70 per set
Hand Stencils	Long	.50 per set
Junior High (Grades 7-9) 2-45 min. periods (All prices are the same as Elementary)	Long	$6.70 pkg/35
Secondary (Grades 9-13) 2-45 min. periods (All prices are the same as Elementary)	Long	$6.70 pkg/35
Advanced (Grades Superior 10, College and Adult) (All prices are the same as Elementary)	Long	$6.70 pkg/35
Extra Accessories: Manuals	Long	.30 each
Keys	Long	.10 each
Class Records	Long	.10 each

CALIFORNIA SHORT-FORM TEST OF MENTAL MATURITY (Copyright 1957) **Kindergarten-Adult**

The seven sub-tests give scores in four components, namely; spatial relations, logical reasoning, numerical reasoning, and verbal concepts. The test yields, both mental ages and intelligence quotients for the language and non-language sections and for the total test. Answer sheets are optional.

Hand-E-Score Templates. An accessory designed to cut in half the time needed to hand-score the Pre-Primary and Primary levels of the California Short-Form Mental Maturity tests. It consists of cardboard templates for each page, cut out to reveal the location of only the right answers. Counting the number of correct answers is therefore accurate, easy and rapid. Every person scoring these two levels of this test will be saved considerable work when Hand-E-Score is used.
ORDER BY LEVEL. (Available only for 1963-1964)

CALIFORNIA SHORT-FORM TEST OF MENTAL MATURITY	FORM	NET PRICE
Pre-Primary (Kindergarten-1) 50 mins.	Short	$3.90 pkg./35
Hand-E-Templates	Short	1.25 per set
Primary (Grades 1-3) 50 mins.	Short	3.90 pkg/35
Hand-E-Templates	Short	1.25 per set
Elementary (Grades 4-8) 50 mins.	Short	3.90 pkg/35
IBM Answer Sheets	Short	.06 each
Machine Stencils	Short	.50 each
Hand Stencils	Short	.25 each
Scorezes	Short	.11 each
Manuals	Short	.65 each
Keys (for use with test booklets)	Short	.10 each
Class Records	Short	.10 each
Profiles	Short	.04 each
Junior High (Grades 7-9) 50 mins. (All prices are the same as Elementary)	Short	3.90 pkg/35
Secondary (Grades 9-13) 50 mins. (All prices are the same as Elementary)	Short	3.90 pkg/35
Advanced (Grades Superior 10, College and Adult) 50 mins. (All prices are the same as Elementary)	Short	3.90 pkg/35

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CALIFORNIA SHORT-FORM TEST OF MENTAL MATURITY (Copyright 1963) **Kindergarten-Adult**

The eight levels of this series are fully articulated instrument which provide for sequential measurement of mental abilities throughout the entire course of the school years and into adult life. The norms present a uniform and continuous scale between adjacent levels as well as within a given level. This feature allows for continuity of measurement and a continuous record of mental growth.

CALIFORNIA SHORT-FORM TEST OF MENTAL MATURITY	FORM	NET PRICE
Level O (Grades Kindergarten - 1) 34 mins.	Short	$4.65 pkg/35
Hand-E-Templates	Short	1.25 per set
Keys	Short	.15 each
Manuals	Short	.35 each
Level 1 (Grades 1, 2, 3) 41 mins. (All prices are the same as Level O)	Short	4.65 pkg/35
Level 1H (Grades 3 & 4) 42 mins.	Short	4.65 pkg/35
Keys	Short	.15 each
Manuals	Short	.65 each
Level 2 (Grades 4, 5, 6) 42 mins.	Short	5.45 pkg/35
IBM Answer Sheets	Short	.06 each
Hand stencils	Short	$ .25 each
Machine Stencils	Short	.50 each
Scorezes	Short	.11 each
Keys	Short	.15 each
Manuals	Short	.65 each
Profiles	Short	.04 each
Level 2H (Grades 6 & 7) 41 mins. (All prices are the same as Level 2)	Short	5.45 pkg/35
Level 3 (Grades 7, 8, 9) 41 mins. (All prices are the same as Level 2)	Short	5.45 pkg/35
Level 4 (Grades 9, 10, 11, 12) 39 mins. (All prices are the same as Level 2)	Short	5.45 pkg/35
Level 5 (Grades 12- College and Adult) 39 mins. (All prices are the same as Level 2)	Short	5.45 pkg/35
Extra Accessories FOR ALL LEVELS:		
Class Records	Short	.12 each
Guide to Interpretation	Short	.65 each
Technical Report	Short	1.25 each

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DAVIS-EELLS TESTS OF GENERAL INTELLIGENCE OR PROBLEM-SOLVING ABILITY

Grades 1-6

A group of test of general intelligence in which intelligence is defined specifically in terms of problem-solving ability in realistic problem areas. Material is presented entirely verbally. There are no reading requirements. The method of administering stresses a "game" rather than a "test" atmosphere. The manual, which comes separately, is designed particularly for directors of research and supervisory personnel.

DAVIS-EELLS TESTS OF GENERAL INTELLIGENCE	FORM	NET PRICE
Primary Test Booklets (Grade 1-2) 2-30 min. periods	A	$5.00 pkg/35
Elementary Test Booklets (Grade 3-6) 60 mins.	A	5.50 pkg/35
Manuals	ALL	1.00 each

DETROIT BEGINNING FIRST-GRADE INTELLIGENCE TEST — **Beginning First Grade**

A non-reading group intelligence test consisting of ten short subtests.

DETROIT BEGINNING FIRST-GRADE INTELLIGENCE TEST	FORM	NET PRICE
Test Booklets (Grade 1) 35 mins.	A	$3.45 pkg/35

DETROIT ADVANCED FIRST-GRADE INTELLIGENCE TEST — **Grades 1-2**

A non-reading group intelligence test.

DETROIT ADVANCED FIRST-GRADE INTELLIGENCE TEST	FORM	NET PRICE
Test Booklets (Grade 1-2) 35 mins.	A	$3.45 pkg/35

DETROIT KINDERGARTEN TEST — **Beginning Kindergarten**

An individually-administered intelligence test.

DETROIT KINDERGARTEN TEST	FORM	NET PRICE
Test Booklets, 7-12 mins.	A	$2.70 pkg/35

GOODENOUGH INTELLIGENCE TEST — **AGES 4-10**

A non-verbal test of mental ability, suitable for use either as a group test or as an individual test. Estimates of mental ability are based on characteristics of the subject's drawing of a man. Especially useful for children with language handicaps or with unusual backgrounds. Directions for administration and interpretation of the test are in the author's book, Measurement of Intelligence by Drawings.

GOODENOUGH INTELLIGENCE TEST	FORM	NET PRICE
Drawing Sheets		$1.65 pkg/35
Measurement of Intelligence by Drawings		5.00 per copy

HENMON-NELSON TEST OF MENTAL ABILITY — **Grades 3-12**

Each test consists of 90 items arranged in order of difficulty. Although maintaining the same number of items as the previous edition, each test in the revision covers a range of only 4 grades instead of 6. There is a

1-grade overlap, provided between each of the three tests. Scoring is easy and rapid by a carbon in the self-marking device. When ordering specify level and form.

HENMON-NELSON TEST OF MENTAL ABILITY	FORM	NET PRICE
Elementary (Grades 3-6) 30 mins.	A,B	$4.50 pkg/35
Junior High (Grades 6-9) 30 mins.	A,B	4.50 pkg/35
High School (Grades 9-12) 30 mins.	A,B	4.50 pkg/35
Extra Accessories: Class Records	ALL	.12 each
Manuals specify level	ALL	.55 each

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KUHLMANN-ANDERSON INTELLIGENCE TEST **Kindergarten-Grade 12**

Sixty editions of a long-established measure of general learning ability. Median mental age method of scoring used, thus eliminating the undue significance of zero and maximum scores on parts. These are 39 tests arranged in nine overlapping scales (10 tests at each grade level) adapted to school classes.

Grade level is indicated for testing normal classes early in the year; for superior pupils or second-semester testing, use next higher level. Time: 30 minutes.

KUHLMANN-ANDERSON INTELLIGENCE TESTS	FORM	NET PRICE
Booklets (Grades Kindergarten-1A)	K	$3.05 pkg/25
Booklets (Grade 1)	A	3.05 pkg/25
Booklets (Grade 2)	B	3.05 pkg/25
Booklets (Grade 3)	C	3.05 pkg/25
Booklets (Grade 4)	D	3.05 pkg/25
Booklets (Grade 5)	E	3.05 pkg/25
Booklets (Grade 6)	F	3.05 pkg/25
Booklets (Grades 7-8)	G	3.05 pkg/25
Booklets (Grades 9-12)	H	3.05 pkg/25
Master Manual (Contains essential data as well as copies of each test page and all directions)	ALL	2.60 each
Handbook (Contains essential data from the manual, but without reproductions of the test pages and directions)		.50 each

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KUHLMANN-FINCH INTELLIGENCE TESTS **Kindergarten-Senior High**

A test of general mental development comprising 9 test booklets for use in grades from kindergarten through high school; a measure of intellectual power rather than speed. Easily scored. Booklets for grades 5 through Senior High are reusable if separate answer sheets are used; but their use is optional. Separate answer sheets are not available for Tests I, II and III. The manual contains complete directions for all

grade levels. This test now has the Kwik-Chek carbon answer sheets which require no sub-key for scoring. Time: 5 minutes each sub-test.

KUHLMANN-FINCH INTELLIGENCE TESTS	NET PRICE
Booklet (Grades Kindergarten and Beginning 1st)	$3.00 pkg/25
Booklet I (Grade 1)	3.00 pkg/25
Booklet II (Grade 2)	3.00 pkg/25
Booklet III (Grade 3)	3.00 pkg/25
Booklet IV (Grade 4)	3.00 pkg/25
Answer Sheets	1.25 pkg/25
Hand Stencils	.30 each
Booklet V (Grade 5)	3.00 pkg/25
Answer Sheets	1.25 pkg/25
Hand Stencils	.30 each
Machine Stencils	.30 each
Booklet VI (Grade 6)	3.00 pkg/25
Answer Sheets	1.25 pkg/25
Hand Stencils	.30 each
Machine Stencils	.30 each
Booklets Junior High (Grade 7-9)	3.00 pkg/25
Answer Sheets	1.25 pkg/25
Hand Stencils	.30 each
Machine Stencils	.30 each
Booklets Senior High (Grade 10-12)	3.00 pkg/25
Answer Sheets	1.25 pkg/25
Hand Stencils	.30 each
Machine Stencils	.30 each
Kwik-Chek Carbon Answer Pads	5.50 pkg/50
Extra Accessories FOR ALL LEVELS:	
Keys & Directions	.30 per set
Class Records	.10 each
Manuals	1.30 each

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LORGE-THORNDIKE INTELLIGENCE TESTS **Grades Kindergarten-12**

This test provides a continuous set of group tests of abstract reasoning ability for all grades. The primary batteries consist of three non-reading tests including Oral Vocabulary, Pictorial Classification, and Pictorial Pairing. The primary batteries of tests 3, 4 and 5 measure scholastic aptitude through the following subtests: Verbal Reasoning Ability, Vocabulary, Verbal Classification, Sentence Completion, Arithmetic Reasoning, and on levels 4 and 5 only, Verbal Analogy.

The non-verbal battery measures abstract reasoning ability through subtests involving Pictorial Classification, Pictorial Analogy, and Numerical Relationships, thus giving an estimate of intelligence not heavily influenced by reading ability. Subtests for grades 4 and above have their own time limits, but these are generous enough to make the test primarily a power rather than speed test.

Four types of norms are given for the test: IQ's, grade percentiles, grades equivalents, and age equivalents. Standard errors of measure-

ment and validity data are presented in the Technical Manual. Order by grade level and form.

LORGE-THORNDIKE INTELLIGENCE TESTS	TIME	FORM	NET PRICE
Consumable Edition:			
Primary I (Grades Kindergarten-1)	Approx. 20 min.	A	$4.30 pkg/35
Primary II (Grades 2-3)	Approx. 20 min.	A	4.30 pkg/35
Test 3 Verbal (Grades 4-6)	34 min.	A	3.40 pkg/35
Test 3 Non-Verbal (Grades 4-6)	27 min.	A	3.40 pkg/35
Test 4 Verbal (Grades 7-9)	34 min.	A,B	3.40 pkg/35
Test 4 Non-Verbal (Grades 7-9)	27 min.	A,B	3.40 pkg/35
Test 5 Verbal (Grades 10-12)	34 min.	A	3.40 pkg/35
Test 5 Non-Verbal (Grades 10-12)	27 min.	A	3.40 pkg/35
Reusable Edition:			
Test 3 Verbal (Grades 4-6)	34 min.	A,B	3.75 pkg/35
IBM Answer Sheets		A,B	.05 each
IBM Rights Keys		A,B	.35 each
Test 3 Non-Verbal (Grades 4-6)	27 min.	A,B	3.75 pkg/35
IBM Answer Sheets		A,B	.05 each
IBM Rights Keys		A	.35 each
IBM Rights Keys		B	.35 each
Manuals (Verbal & Non-Verbal)		A,B	.55 each
Test 4 Verbal (Grades 7-9)	34 min.	A,B	3.75 pkg/35
IBM Answer Sheets		A,B	.05 each
IBM Rights Keys		A,B	.35 each
Test 4 Non-Verbal (Grades 7-9)	27 min.	A,B	3.75 pkg/35
IBM Answer Sheets		A,B	.05 each
IBM Rights Keys		A	.35 each
IBM Rights Keys		B	.35 each
Manuals (Verbal & Non-Verbal)		A,B	.55 each
Test 5 Verbal (Grades 10-12)	34 min.	A,B	3.75 pkg/35
IBM Answer Sheets		A,B	.05 each
IBM Rights Keys		A,B	.35 each

Test 5 Non-Verbal (Grades 10-12) 27 min.	A,B	3.75 pkg/35
IBM Answer Sheets	A,B	.05 each
IBM Rights Keys	A	.35 each
IBM Rights Keys	B	.35 each
Manuals (Verbal & Non-Verbal	A,B	.35 each .55 each
Class Records	ALL	.10 each
Technical Manuals	ALL	.55 each

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METROPOLITAN READINESS TESTS — **End of Kindergarten & beginning first grade**

A measure of children's maturity or readiness to undertake ordinary first-grade work. The results are useful in indicating which pupils are likely to profit from formal instruction in reading, number work, etc. and which pupils will require additional training before they are ready for such work. The content is entirely pictorial.

METROPOLITAN READINESS TEST	TIME	FORM	NET PRICE
Test Booklets	Approx. 60 min.	R,S	$4.95 pkg/35
Accessories		R,S	.30 per set
Class Records		ALL	.10 each

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OHIO STATE UNIVERSITY PSYCHOLOGICAL TEST — **High School & College**

This power test of intelligence measures scholastic aptitude and reading comprehension ability. Total score on this scholastic aptitude test is a valid predictor of college success. A separate reading comprehension score is also provided. High School counselors will find it useful when advising students on college plans. College personnel workers can use this test for counseling, screening and admissions.

OHIO STATE UNIVERSITY PSYCHOLOGICAL TEST	TIME	FORM	NET PRICE
Test Booklets	2 hrs.	21	$ .60 each
Self-Scoring Answer Pads		21	2.45 pkg/20
Manual for above		21	.35 each

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OTIS CLASSIFICATION TEST, Revised — **Grades 4-9**

Includes Otis Quick-Scoring Mental Ability BETA. (See BATTERIES)

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OTIS QUICK-SCORING MENTAL ABILITY TESTS, Short Form — **Grades 1-College**

The new forms are shorter, but yield results directly comparable to the longer one. The Alpha Test (short form) is half verbal and half non-

verbal. Separate answer sheets are optional, but available for the Beta and Gamma Tests and may be hand or machine scored with the separate machine key.

OTIS QUICK-SCORING MENTAL ABILITY TESTS	TIME	FORM	NET PRICE
Alpha Test (Grades 1-4)	25 min.	AS	$3.05 pkg/35
Class Records		AS	.10 each
Keys		AS	.15 each
Manuals		AS	.25 each
Beta Test (Grades 4-9)	30 min.	EM or FM	3.15 pkg/35
Keys for Test Booklets		EM,FM	.15 each
Answer Sheets		EM,FM	1.45 pkg/35
Machine Stencils (may be used for hand scoring)		EM,FM	.25 each
Manuals		EM,FM	.20 each
Gamma Test (High Sch.-College)	30 min.	EM or FM	3.15 pkg/35
Keys for Test Booklets		EM,FM	.15 each
Answer Sheets		EM,FM	1.45 pkg/35
Machine Stencils		EM,FM	.25 each
Manuals		EM,FM	.20 each

OTIS QUICK-SCORING MENTAL ABILITY TESTS, Long Form **Grades 1-9**

A series of group intelligence tests that give reliable results with a great saving of time in giving and scoring. They are self-administering except for the verbal test of Alpha.

OTIS QUICK-SCORING MENTAL ABILITY TESTS	TIME	FORM	NET PRICE
Alpha Test (Grades 1-4)	20 min.	A or B	$3.80 pkg/35
Keys		A,B	.25 each
Manuals		A,B	.35 each
Beta Test (Grades 4-9)	30 min.	A or B	2.70 pkg/35
Keys		A or B	.15 each
Class Records		A,B	.10 each
Manuals		A,B	.20 each

OTIS SELF-ADMINISTERING TESTS OF MENTAL ABILITY **Grades 4-Col.**

Group intelligence tests that are widely used because of their ease of administering and scoring, the variety of test material, and the simple method of obtaining IQ's.

OTIS SELF-ADMINISTERING TESTS OF MENTAL ABILITY	TIME	FORM	NET PRICE
Intermediate Examination (Grades 4-9)	20 or 30 min.	A,B or D	$2.60 pkg/35
Higher Examination (High Sch.-College)	20 or 30 min.	D	2.60 pkg/35

PEABODY PICTURE VOCABULARY TEST
ALL LEVELS OF INTELLECT INCLUDING THE SUPERIOR

An individual test of verbal intelligence. Easily administered, wide range picture vocabulary test utilizing a graduated series of 150 plates, each containing four pictures. To administer the scale, the examiner provides a stimulus word orally as in "Show me car." The testee then points to, or in some other way indicates the picture which best illustrates the meaning of the stimulus word. Since plates are arranged in ascending order of difficulty, it is necessary only, to test the subject from a basal of eight consecutive correct responses to a ceiling of six errors in eight consecutive plates. Thus the scale is only given over the critical range for a particular subject, requiring only 10 to 15 minutes to administer. Raw scores can then be quickly converted to three types of derived scores: mental ages, standard score I. Q.'s and percentiles.

Especially appropriate for speech impaired, cerebral palsied, withdrawn distractive, mentally retarded, and remedial reading cases. No verbal responses required.

Complete Kit includes one series of plates, manual of directions with norms, and 50 individual response records.

PEABODY PICTURE VOCABULARY TEST	NET PRICE
Complete Kit	$10.25 per kit
Individual response Records	3.05 pkg/50
Manuals	1.30 each

PINTNER GENERAL ABILITY TESTS: NON-LANGUAGE SERIES — GRADES 4-9

A group test of general intellectual ability that utilizes no verbal situation, measures mental functions independently of word knowledge and facility, and may be administered in pantomime without the use of language.

PINTNER GENERAL ABILITY TESTS	TIME	FORM	NET PRICE
Test Booklets (Grades 4-9)	50 min.	K or L	$5.70 pkg/35
Class Records		K,L	.10 each
Manuals		K,L	.20 each

PINTNER GENERAL ABILITY TESTS: VERBAL SERIES — GRADES KINDERGARTEN-12

Four batteries of mental tests that fulfill modern requirements for a complete series of group tests of general mental ability at all levels, measuring a variety of aspects of general mental ability. Pintner-Cunningham Primary Test is entirely oral.

PINTNER GENERAL ABILITY TESTS	TIME	FORM	NET PRICE
Pintner-Cunningham Primary Test			
(Grades Kindergarten - 2)	25 min.	A,B or C	$3.70 pkg/35
Manual and Key		A,B,C	.35 per set
Class Records		A,B,C	.10 each
Pintner-Durost Elementary Test (Grades 2-4)			
Scale 1, Picture Content			
Booklets	45 min.	A or B	5.05 pkg/35
Keys		A or B	.20 each
Class Records		A,B	.10 each
Manuals		A,B	.20 each
Scale 2, Reading Content			
Booklets	45 min.	A or B	4.05 pkg/35
Keys		A or B	.20 each
Class Records		A,B	.10 each
Manuals		A,B	.20 each
Pintner Intermediate Test			
(Grades 4-9)	45 min.	A or B	4.45 pkg/35
Keys for Booklets		A,B	.15 each
Answer Sheets		A,B	1.80 pkg/35
Machine Keys (necessary with separate sheets)		A,B	.50 each
Manual for Interpreting		A,B	.35 each
Pintner Advanced Test			
(Grades 9-12)	55 min.	A or B	4.45 pkg/35
Keys for booklets		A,B	.15 each
Answer Sheets		A,B	1.80 pkg/35
Machine Keys (necessary with separate sheets)		A,B	.50 each
Manual for Interpreting		A,B	.35 each

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SCHOOL AND COLLEGE ABILITY TESTS (SCAT) **GRADES 4-COLLEGE SOPHOMORES**

The SCAT series has been developed to help teachers, counselors and students estimate the capacity of individuals to undertake the academic work of the next higher school level. The tests measures developed ability, indicative of the relative academic success the student is likely to achieve in his next steps up the educational ladder.

Each test booklet in the SCAT series contains four relatively short subtests or parts. Two of these subtests, Part I and III, are measures of developed ability in skills closely related in student success in the verbal kinds of school learning. The total number of right answers on these two parts is converted into a Verbal Score. The two other subtests, Part II and IV, are measures of ability in certain quantitative skills of

number manipulation and problem solving. These two parts yield a Quantitative Score. The kinds of material in the four parts of the test are as follows:

Part 1—30 sentence-completion tasks
Part II—25 numerical computation tasks
Part III—30 vocabulary tasks
Part IV—25 numerical problem-solving tasks
Level V has 25 tasks in each of the four parts.

Separate answer sheets are required,—they may be hand or machine scored. Directions are packaged with the tests, but the Manual for Interpreting Scores must be ordered separately. When ordering tests specify level.

SCHOOL AND COLLEGE ABILITY TESTS (SCAT)	TIME	FORM	NET PRICE
Level 5 (Grades 4-6)	70 min.—can be divided into two	A or B	$4.85 pkg/20
Stencils	45 min. periods	A or B	.55 each
Level 4 (Grades 6-8)	Same as Level 5	A or B	4.85 pkg/20
Stencils		A or B	.55 each
Level 3 (Grades 8-10)	Same as Level 5	A or B	4.85 pkg/20
Stencils		A or B	.55 each
Level 2 (Grades 9-12)	Same as Level 5	A or B	4.85 pkg/20
Stencils		A or B	.55 each
Level 1 (Grades superior, 12 college freshmen and sophomores)	Same as Level 5	A	4.85 pkg/20
Stencils		A	.55 each
Extra Accessories FOR ALL LEVELS & FORMS: Answer Sheets			1.25 pkg/20
	Class Records		.10 each
	Manual for Interpreting		1.25 each
	Student Profile Sheets		1.20 pkg/20

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SRA PRIMARY MENTAL ABILITIES (SRA-PMA) Rev. 1952 **GRADES KINDERGARTEN-12**

The SRA Primary Mental Abilities test is a guide in grouping students according to ability. Pertinent tests at different age and grade levels account for the appropriate differences in abilities. Counselors find the SRA Primary Mental Abilities results equally useful in predicting educational success and in counseling the student and his parents in the vital areas of educational and vocational planning, where a realistic picture of intellectual strengths and weaknesses is of major importance.

SRA PRIMARY MENTAL ABILITIES (SRA-PMA)	TIME	NET PRICE
Grades K-1 Consumable Booklets	60 min.	$3.05 pkg/20
Manuals		.30 each
Grades 2-4 Consumable Booklets	60 min.	3.05 pkg/20
Manuals		.30 each
Grades 4-6 Reusable Booklets	60 min.	.60 each
Answer Sheets		.06 each
Stencils		$1.05 per set
Manuals		.30 each
Profiles		.04 each
Grades 6-9 Reusable Booklets	55 min.	.60 each
Answer Sheets		.06 each
Stencils		1.55 per set
Manuals		.30 each
Profiles		.04 each
Grades 9-12 Reusable Booklets	55 min.	.60 each
Answer Sheets		.06 each
Stencils		1.55 per set
Manuals		.30 each
Profiles		.04 each

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STANFORD-BINET SCALES
(Copyright 1960) **GRADES 2 TO ADULT**

An individual test of intelligence, to be given by a *qualified* examiner to only one person at a time. Every person who is to give the test should first study the Manual thoroughly—this gives specific directions for administering and scoring the scales. Proper administration and reliable results depend on the accurate following of these directions.

STANFORD-BINET SCALES	TIME	FORM	NET PRICE
Record Booklets	No limit	L-M	$5.50 pkg/35
Record Forms		L-M	2.75 pkg/35
Printed Material (Large)		L-M	3.25 each
Printer Material (Small)		L-M	1.25 each
Manual		L-M	5.60 each

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TERMAN-MCNEMAR TEST OF MENTAL ABILITY **GRADES 7-12 AND COLLEGE FRESHMEN**

Particularly stresses verbal components of intelligence. There are seven subtests: Information, Synonyms, Logical Selection, Classification, Analogies, Opposites, and Best Answer. Scoring is simplified. May be hand or machine scored. Separate answer sheets are required only for machine scoring, but they may be hand scored with the key that comes in the package.

TERMAN-McNEMAR TEST OF MENTAL ABILITY	TIME	FORM	NET PRICE
Test Booklets	40 min.	C	$3.65 pkg/35
Answer Sheets		C	1.65 pkg/35
Machine Stencils		C	.25 per set

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TESTS OF GENERAL ABILITY (TOGA) GRADES 2-12

These TOGA tests are intelligence tests for use at all elementary and high school grade levels. Test items are entirely pictorial in order to provide fair measures of mental ability for all pupils—including those who cannot read well or who are deficient in arithmetic skills. TOGA is a fair measure for the child who has been poorly prepared in school or who has missed parts of his educational experience.

Each test is divided into two parts which contain two different types of test questions:

PART I—Verbal-cultural. Here test items are based on the child's total experience—his familiarity with the world around him. He will draw upon his accumulated experience gained at home, in the school, in social groupings; from radio, TV, and books. Part I will also test his knowledge of American culture, science, social studies, general world affairs, and the arts.

PART II—Reasoning-non-cultural. This section is comprised entirely of test items made up of geometric designs which test the student's powers of abstract reasoning. Part II offers an equal challenge no matter what the student's cultural environment; the child from a low socio-economic background can achieve as highly on this test as the student from a high socio-economic background.

TOGA norms gives 2 scores: Norms for the Test of General Ability are equated to the norms for the SRA Achievement Series and the Iowa Test of Educational Development. Each pupil's test is scored for his "Grade Expectancy"—a score that can be compared directly with his "Grade Equivalent" on achievement tests. In addition to the "Grade Expectancy" score, the test also provides an IQ for each child.

TESTS OF GENERAL ABILITY (TOGA)	TIME	NET PRICE
Test Booklets (Grades 4-6)	35-45 min.	$4.30 pkg/20
Answer Sheets		.06 each
Stencils		.60 each
Manuals		.30 each
Test Booklets (Grades 6-9) (All prices are the same as above)	35-45 min.	4.30 pkg/20
Test Booklets (Grades 9-12) (All prices are the same as above)	35-45 min.	4.30 pkg/20

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Achievement Batteries and Tests

CALIFORNIA ACHIEVEMENT TEST BATTERIES (Copyright 1957) — GRADES 1-14

The five levels of the California Achievement Tests provide an articulated series which measures, at appropriate levels, the basic skills and learning functions. This makes possible a sequential testing program from grades 1-14 in both a statistically scaled and continuous area-of-content manner. The various forms (W,X, etc.) on each level can be alternated for retesting as they are equivalent in content, discriminating power, and difficulty. Time: 29-150 minutes.

CALIFORNIA ACHIEVEMENT, TESTS	FORM	NET PRICE
Lower Primary (Grades 1-2)	W,X	$6.20 pkg/35
Class Records	ALL	.10 each
Keys	ALL	.30 per set
Manual/1963 Norms	ALL	.65 each
Upper Primary (Grades 3-Lower 4)	W,X	6.60 pkg/35
Class Records	ALL	.10 each
Keys	ALL	.30 per set
Manuals/1963 Norms	ALL	.65 each
Elementary (Grades 4-6)	W,X,Y,Z	7.35 pkg/35
Class Records	ALL	.10 each
IBM Answer Sheets: Arithmetic	ALL	.06 each
Language	ALL	.06 each
Reading	ALL	.06 each
Hand Stencils	ALL	.75 per set
Machine Stencils	ALL	1.50 per set
Scorezes: Arithmetic	ALL	.11 each
Language	ALL	.11 each
Reading	ALL	.11 each
Keys (for test booklets)	ALL	.30 set
Manuals/1963 Norms	ALL	.65 each
Profiles	ALL	.04 each
Summary of survey Data Sheets		.12 each
Junior High (Grades 7-9) (All prices are the same as Elementary with the exception of Machine Stencils)	W,X,Y,Z	7.35 pkg/35
Machine Stencils	ALL	1.55 per set
Advanced (Grades 9-14) (All prices are the same as Elementary with the exception of Machine Stencils)	W,X,Y	7.35 pkg/35
Machine Stencils (NO summary of Data Sheets available)	ALL	1.75 per set

ESSENTIAL HIGH SCHOOL CONTENT BATTERY (Copyright 1950) **Grades 10-12**

Contains four tests: Mathematics, Science, Social Studies, and Language and Literature. In each of these areas the test yields comparable measures of status that are of value in the appraisal of student's progress, evaluation of the instructional program, curriculum revision, and student guidance. The results are also useful in predicting success in college. An answer sheet is required for each student, and may be either hand or machine scored with the key that comes in the package. TIME: 5 class periods

ESSENTIAL HIGH SCHOOL CONTENT BATTERY	FORM	NET PRICE
Test Booklet	AM or BM	9.95 pkg/35
IBM Answer Sheets (Required)	AM,BM	2.50 pkg/35
Cumulative Individual Profile Sheets		.04 each
Extra Manuals		.25 each
Extra Class Records		.10 each
Extra Keys		.75 per set

IOWA HIGH SCHOOL CONTENT EXAMINATION (Copyright 1943) **GRADES 11-12**

Based on the month of April — this quick-scoring examination is designed to provide an accurate appraisal of the high school senior's and the college student's knowledge of the four basic areas of the typical academic high school curriculum (English Grammar and Literature, Mathematics, Science, and Soial Studies). Total score furnishes an evaluation of the student's general mastery of the subject-matter content in these areas. Part scores reveal fields in which the student is strong or weak. Each package contains 25 test booklets and 25 hand-scoring answer sheets.

IOWA HIGH SCHOOL CONTENT EXAMINATION	FORMS	NET PRICE
Test Booklet/answer sheets	L or M	$3.80 pkg/25
Extra Hand-scoring Answer Sheets		.04 each
Hand Stencils (not in pkg. of of tests-Specify form)	L,M	.30 per set
IBM Answer Sheets		.06 each
Machine Stencils (specify form)	L,M	.50 per set
Examiner's Manual (Not in pkg. of tests)		.35 each

IOWA TESTS OF BASIC SKILLS (Copyright 1956) **GRADES 3-9**

Tests for grades 3 through 9 are in one spiral-bound reusable booklet. The tests for each grade are adapted specifically to that grade, using some of the test items from adjacent grades which are appropriate for measuring the extreme ranges in the grade tested. Areas tested are Vocabulary, Reading Comprehension, Language Skill, Work-Study Skills, and Arithmetic Skills.

IOWA TEST OF BASIC SKILLS	FORM	NET PRICE
Test Booklets (Specify Form)	I or II	$1.05 each
MRC Answer Sheets/Manual/2 Class Records, 35 profiles (Specify Grade)		4.20 pkg/35
MRC Answer Sheets, single copy, (Specify Grade)		.10 each
Scoring Masks (Specify *Grade* & *Form*)	I or II	.55 each
Teacher's Manuals	ALL	.55 each
Manual for Administrators	ALL	1.15 each
Class Records	ALL	.08 each
Profiles	ALL	.05 each

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IOWA TEST OF EDUCATIONAL DEVELOPMENT (Copyright 1952) **GRADES 9-12**

A battery of nine objective tests designed to provide a comprehensive and dependable description of the general educational development of the high school pupil. Over 700 items are included, each selected for its discriminating power in the evaluation of the ultimate and lasting results of an educational program.

This is not primarily a test of subject matter; emphasis here is on broad intellectual skills and interests, or understanding of and ability to use what is learned, rather than on sheer knowledge of facts. The tests are designed for annual administration to all students in the upper grades, regardless of grade classification or course registration. School administrators have found it a reliable and scientific aid in adapting instruction and guidance to individual pupil needs, evaluating and raising the levels of class and school achievement, correcting student and curriculum weaknesses, identifying gifted children and stimulating better education, reducing the number of drop-outs and repeaters.

The tests come in individual packages and can be ordered separately, or as a battery. Please specify, IBM answer sheets and stencils, by Test *Number* and *Title*. A separate answer sheet is required for each test administered. For example: If all nine tests are administered, each student would need nine answer sheets.

IOWA TEST OF EDUCATIONAL DEVELOPMENT	FORM	NET PRICE
Test 1, Understanding of Basic Social Concepts. 55 mins.	Y-3S	$2.45 pkg/20
IBM answer sheets		.06 each
Machine keys		.60 each
Extra Manual		.30 each
Class Records		.10 each
Profile leaflets		1.00 pkg/20
Test 2, General Background in the Natural Sciences. 60 mins.	Y-3S	Same as Above
Test 3, Correctness and Appropriateness of Expression. 60 mins.	Y-3S	"

Test 4, Quantitative Thinking. 65 mins.	Y-3S	"
Test 5, Interpretation of Reading Materials in the Social Studies. 60 mins.	Y-3S	"
Test 6, Interpretation of Reading Materials in the Natural Sciences. 60 mins.	Y-3S	"
Test 7, Interpretation-Literature. 50 mins.	Y-3S	"
Test 8, General Vocabulary. 22 mins.	Y-3S	"
Test 9, Use of Sources of Information. 27 mins.	Y-3S	"

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METROPOLITAN ACHIEVEMENT TESTS (Copyright 1959) **GRADES 1-9**

Metropolitan Achievement Tests measure the essential skills of reading, arithmetic, and language, and, at the appropriate grades, the mastery of study skills and of science and social studies content.

METROPOLITAN ACHIEVEMENT TESTS (Hand Scoring)	**FORM**	**NET PRICE**
Primary I (Latter half of Grade 1) 105 mins.	A,B,C	$ 6.30 pkg/35
Extra accessories		.55 per set
Primary II (Grade 2 and beginning 3) 2 hrs.	A,B,C	8.05 pkg/35
Extra accessories		.75 per set
Elementary (Grades 3 & 4) 2 hrs., 45 mins.	A,B,C	8.05 pkg/35
Extra accessories		.85 per set
Intermediate Complete (Grades 5 & 6) 4 hrs.	A,B,C	11.05 pkg/35
Extra accessories		1.20 per set
Intermediate Partial (Grades 5 & 6) 3½ hrs. (Social Studies and Science not included in battery)	A,B,C	9.05 pkg/35
Extra accessories		1.00 per set
Advanced Complete (Grades 7-9) 4¼ hrs.	A,B,C	11.05 pkg/35
Extra accessories		1.20 per set
Advanced Partial (Grades 7-9) 3 hrs. 45 mins. (Subjects same as Intermediate Partial)	A,B,C	9.05 pkg/35
Extra accessories		1.00 per set

MACHINE SCORING EDITION METROPOLITAN ACHIEVEMENT

TESTS	FORM	NET PRICE
Intermediate Complete (Grades 5 & 6) 4½ hrs.	AM or BM	12.05 pkg/35
IBM Answer Sheets: Arithmetic (Specify form)	AM or BM	1.55 pkg/35
Language	AM or BM	1.80 pkg/35
Reading	AM or BM	1.80 pkg/35
Social Studies	AM or BM	1.80 pkg/35
Machine Stencils (Specify form)	AM or BM	1.50 per set
Advances Complete (Grades 7-9) 4½ hrs. IBM answer sheets and stencils same as intermediate (Specify forms)	AM or BM	12.05 pkg/35

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MYERS-RUCH HIGH SCHOOL PROGRESS TEST **GRADES 9-12**

Measures achievement in high school English, Social Studies, Mathematics, and Science. Useful for group analysis but not for individual student appraisal. Reusable if IBM answer sheets are used.

MYERS-RUCH HIGH SCHOOL PROGRESS	FORM	NET PRICE
Test booklets 1 hour	AM or BM	3.75 pkg/35
IBM Answer Sheets		1.60 pkg/35
Machine Stencils (Specify Form)	AM or BM	.60 per set
Hand Keys (Specify Form)	AM or BM	.20 each
Extra Manuals	ALL	.30 each
Extra Class Records	ALL	.10 each

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OTIS CLASSIFICATION TEST **GRADES 4-9**

A combined mental ability and achievement test that aids in classification of pupils on the basis of mental development and classroom achievement. The achievement test covers reading, spelling, language, and grammar, arithmetic, geography, history and civics, hygiene vocabulary, music and art. The mental ability test is the Otis Beta Quick-Scoring Test. Separate answer sheets are required only for machine-scoring.

OTIS CLASSIFICATION TEST	FORM	NET PRICE
Test Booklets — 30 mins. each part	T	$4.55 pkg/35
IBM answer sheets		1.80 pkg/35
Machine stencils		.60 per set

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STANFORD ACHIEVEMENT TEST — 1964 Edition **GRADES 1-9**

This latest revision of the Stanford series offers completely new, up-to-date content, organization, format, and norms based on the 1963

standardization program involving pupils in all 50 states. The Stanford Achievement Test measures the instructional outcomes sought in today's schools in both content and skills areas. It provides dependable, efficient measurement to aid in instruction, guidance, and evaluation of the curriculum.

Five complete batteries cover commonly taught subject matter of the nine grades.

STANFORD ACHIEVEMENT TEST	FORM	NET PRICE
Primary I Battery (Grades 1.5-2.4) 3 hrs.	W,X,Y,Z	$5.70 pkg/35
*Scoring Key	W,X,Y,Z	.65 each
Primary II Battery (Grades 2.5-3.9) 4 hrs.	W,X,Y,Z	5.85 pkg/35
*Scoring Key	W,X,Y,Z	.85 each
Intermediate I Battery (Grades 4.0-5.4) 5 hrs.	W,X,Y,Z	9.80 pkg/35
*Scoring Key for Test Booklet	W,X,Y,Z	1.05 each
IBM Answer Sheets — Sets	ALL	5.05 pkg/35
IBM Machine Keys	ALL	1.05 set/5
Intermediate II Battery (Grades 5.5-6.9) 5½ hrs.	W,X,Y,Z	9.80 pkg/35
*Scoring Keys for Test Booklet	W,X,Y,Z	1.05 each
IBM Answer Sheets — Set	ALL	5.30 pkg/35
IBM Machine Keys	ALL	1.25 set/6
Advanced Battery	W,X,Y,Z	9.80 pkg/35
*Scoring Keys for Test Booklet	W,X,Y,Z	1.05 each
IBM Answer Sheets — Set	ALL	5.30 pkg/35
IBM Machine Keys	ALL	1.25 set/6

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STANFORD ACHIEVEMENT TEST — GRADES 1-9

Stanford Achievement Test series measures the essential skills of reading, arithmetic, and language, and, at the appropriate grades, the mastery of study skills and of science and social studies content.

STANFORD ACHIEVEMENT TEST	FORM	NET PRICE
Primary (Grades 1-3) 80 mins.	K,L,M,N	$3.70 pkg/35
Extra Accessories		.60 per set
Elementary (Grades 3-4) 2 hrs. 15 mins.	K,L,M,N	4.55 pkg/35
Extra Accessories		.60 per set
Intermediate, Complete (Grades 5-6) 3½ hrs.	K,L,M,N	7.55 pkg/35
Extra Accessories		.60 per set
Intermediate, Partial (Grades 5-6) 1 hr. 20 mins.	K,L,M,N	6.05 pkg/35
Extra Accessories		.60 per set
Advanced, Complete (Grades 7-9) 3½ hrs.	K,L,M,N	7.55 pkg/35
Extra Accessories		.60 per set
Class Records	ALL	.10 each

* Scoring Keys do not come in Package of Test.

MACHINE EDITION

Intermediate, Complete		
(Grades 5-6) 3½ hrs.	JM,KM	8.85 pkg/35
Answer sheets: Arithmetic (Specify Form)	JM,KM	1.65 pkg/35
Language & Spelling	JM,KM	1.65 pkg/35
Reading	JM,KM	1.45 pkg/35
Social Studies & Science	JM,KM	1.65 pkg/35
Study Skills	JM,KM	1.45 pkg/35
Machine Stencils (Specify Form)	JM,KM	1.65 per set
Directions		.35 each
Intermediate, Partial		
(Grades 5-6) 1 hr. 20 mins.	JM,KM	7:30 pkg/35
Answer sheets: Arithmetic (Specify Form)	JM,KM	1.65 pkg/35
Language & Spelling	JM,KM	1.65 pkg/35
Reading	JM,KM	1.45 pkg/35
Machine Stencils (Specify Form)	JM,KM	1.10 per set
Advanced, Complete		Same as Intermediate comp.
(Grades 7-9) 3½ hrs.	JM,KM	
Advanced, Partial		Same as Intermediate Part.
(Grades 7-9) 1 hr. 20 mins.	JM,KM	

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SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS (STEP) **GRADES 4-Adult**

The STEP series makes possible a testing program aimed at the central goal of most teachers—the ability of students to use what they have learned in the classroom. They measure these skills in a continuous way from the fourth grade of elementary school through the sophomore year of college.

SEQUENTIAL TEST OF EDUCATIONAL PROGRESS	**FORM**	**NET PRICE**
Level 4 — *Reading Test* (Grades 4-6) 70 mins.	A,B	$4.85 pkg/20
Writing Test	A,B	4.85 pkg/20
Mathematics Test	A,B	4.85 pkg/20
Science Test	A,B	4.85 pkg/20
Social Studies Test	A,B	4.85 pkg/20
Listening Test	A,B	4.85 pkg/20
Directions for Administering and Scoring for Listening only	A,B	1.25 each
Answer Sheets (One sheet per student for each test given)	ALL	1.25 pkg/20
Scoring Stencil (Specify level & form	A,B	.55 each

Manual for Interpreting (Specify level & subject)	A,B	1.25 each
Essay Test (No answer sheet needed)	A,B	1.25 pkg/20
Examiner's Handbook (Essay only)	A,B	1.25 each
Technical Reports	ALL	1.25 each
Score Distribution sheets	ALL	1.25 per 50
Student Report Forms	ALL	1.20 pkg/20
Profiles	ALL	1.20 pkg/20
Level 3 — (Grades 7-9)	A,B	Same as above
Level 2 — (Grades 10-12)	A,B	Same as above
Level 1 — (Freshman & Sophomore College)	A,B	Same as above

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TESTS OF EDUCATIONAL ABILITY (TEA) GRADES 4-12

The TEA tests are designed to meet the school need for tests that will accurately predict academic success both in over-all grade average and in specific areas. The TEA tests students in three specific abilities: Language, Reasoning, and Quantitative. Grade-level norms (AQ—ability quotient) and Age-level norms (IQ) are given.

TESTS OF EDUCATIONAL ABILITY	NET PRICE
Test Booklets (Grades 4-12) 45 mins. to 1 hour	$7.10 pkg/20
Answer Sheet/Profile	7.10 per 100
Scoring Stencil	.60 each
Manual	.40 each
Technical Supplement	1.05 each

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Foreign Language

COOPERATIVE FRENCH TEST, ELEMENTARY
FIRST TWO YEARS OF HIGH SCHOOL FRENCH OR COLLEGE FRESHMAN

This test consists of three parts: Reading, Vocabulary, and Grammar. Reading comprehension is tested by incomplete statements in French, for each of which the student selects the most nearly satisfactory English equivalent for each French word. In the Grammar section he selects the one of five choices which correctly completes the transaction into French of a given English sentence. Separate answer sheets may be used, but are not required except for machine scoring.

COOPERATIVE FRENCH TEST, ELEMENTARY	TIME	FORM	NET PRICE
Test Booklets	40 min.	R or Q	$4.85 pkg/25
Answer Sheets		R or Q	1.25 pkg/25
Stencils (required with separate answer sheets)		R or Q	.35 each

COOPERATIVE FRENCH TEST, ADVANCED
TWO YEARS HIGH SCHOOL FRENCH OR ONE YEAR COLLEGE

Contains three parts—Reading section requires students to select the most reasonable conclusion to incomplete statements in French. The Vocabulary section has a list of words for which the student must select a synonym. The Grammar section gives five choices of which the student must select the correct one to complete the translation into French. Separate answer sheets are optional.

COOPERATIVE FRENCH TEST, ADVANCED	TIME	FORM	NET PRICE
Test Booklets	40 min.	R	$4.85 pkg/25
Answer Sheets		R	1.25 pkg/25
Stencils for answer sheets		R	.35 each

COOPERATIVE FRENCH LISTENING COMPREHENSION TEST
SECOND YEAR HIGH SCHOOL FRENCH-FIFTH SEMESTER COLLEGE

A measure of achievement in understanding spoken native French. Tape-recorded sections in French spoken by a cultivated Parisian; students respond in answer booklets which are objectively scored. Manual provides script for use in place of audio equipment, but norms are based on administration with tape recorder. End-of-year percentile rank tables for third- and fourth-year classes in public secondary schools are available. Also, second-, third- and fourth-year classes in independent secondary schools, and second-, third- and fourth-semester college classes.

COOPERATIVE FRENCH LISTENING COMPREHENSION TEST	TIME	FORM	NET PRICE
Tape Recording (specify speed: 3¾ ips or 7½ ips)	30 min.	A	$15.00 each
Answer Booklets (required)		A	3.75 pkg/25
Examiner's Manuals		A	1.25 each

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COOPERATIVE LATIN TEST, ELEMENTARY
FIRST TWO YEARS OF HIGH SCHOOL OR COLLEGE FRESHMEN

This test consists of three parts: Reading, Vocabulary, and Grammar. The Reading section includes both statements in Latin, for each of which the student selects the most reasonable Latin conclusion, and a number of short connected passages, each followed by a group of questions in English concerning its content. In the Vocabulary section the student selects the most nearly satisfactory English equivalent for each Latin word. In the Grammar section, he selects the word or phrase which correctly completes the translation into Latin of a given English sentence. Separate answer sheets may be used, but are required only for machine scoring.

COOPERATIVE LATIN TEST, ELEMENTARY	TIME	FORM	NET PRICE
Test Booklets	40 min.	R or Q	$4.85 pkg/25
Answer Sheets		R or Q	1.25 pkg/25
Stencils (required with separate answer sheets)		R or Q	.35 each

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COOPERATIVE SPANISH TEST, ELEMENTARY
FIRST TWO YEARS OF HIGH SCHOOL OR COLLEGE FRESHMEN

Consists of three parts: Reading, Vocabulary, and Grammar. Reading comprehension is tested in incomplete statements, for each of which the student selects the most reasonable of five suggested conclusions. In the Vocabulary section, he selects the most nearly satisfactory English equivalent for each Spanish word. In the Grammar section, he selects the one of five choices which correctly complete the translation into Spanish of a given English sentence. Separate answer sheets may be used but are required only for machine scoring.

COOPERATIVE SPANISH TEST, ELEMENTARY	TIME	FORM	NET PRICE
Test Booklets	40 min.	P	$4.85 pkg/25
Answer Sheets		P	1.25 pkg/25
Stencils (required with separate answer sheets)		P	.35 each

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COOPERATIVE SPANISH TEST, ADVANCED
TWO YEARS HIGH SCHOOL SPANISH OR ONE YEAR COLLEGE

Contents same as Elementary level.

COOPERATIVE SPANISH TEST, ADVANCED	TIME	FORM	NET PRICE
Test Booklets	40 min.	P	$4.85 pkg/25
Answer Sheets		P	1.25 pkg/25
Stencils (required with separate answer sheets)		P	.35 each

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LURIA-ORLEANS MODERN LANGUAGE PROGNOSIS TEST — **GRADES 7-12**

A measure of aptitude for learning modern languages, to be used in screening — abilities requisite for learning a language are covered by eleven subtests, based on short language lessons. Manual includes practical suggestions for use of results, and validity data reporting a correlation of .68 between scores on the test and success in beginning French.

LURIA-ORLEANS MODERN LANGUAGE PROGNOSIS TEST	TIME	NET PRICE
Test Booklets (Grades 7-12)	76 min.	$3.65 pkg/35

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ORLEANS-SOLOMON LATIN PROGNOSIS TEST
GRADES HIGH SCHOOL BEFORE BEGINNING LATIN

Provides a means of determining before study is begun what success students may be expected to have in Latin. Consists of several simple Latin lessons with a test on each lesson. Gives a basis for advising high school students as to whether they should study Latin, or repeat it, if they have failed. May also be used for the classification of students entering Latin classes.

ORLEANS-SOLOMON LATIN PROGNOSIS TEST	TIME	FORM	NET PRICE
Test Booklets	50 min., over-all time approx. an hour	A	$3.75 pkg/35

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ULLMAN-KIRBY LATIN COMPREHENSION TEST — **ANY LATIN COURSE**

This test consists of passages similar to the texts read in high school together with questions designed to reveal the degree to which the pupil is able to comprehend what he has read. It may be used in any year of the Latin course. One copy needed for each pupil.

ULLMAN-KIRBY LATIN COMPREHENSION TEST	TIME	FORM	NET PRICE
Test Booklets		I	$ .06 each
Keys		I	.25 each

Language Arts

BARRETT-RYAN-SCHRAMMEL ENGLISH TEST **GRADES 9-12**

This test is based on the common content of leading textbooks and courses of study, the experience of teachers and supervisors using earlier editions, and detailed study of types of student's errors. Answer sheets are optional.

BARRETT-RYAN-SCHRAMMEL ENGLISH TEST	FORM	NET PRICE
Test Booklets. 60 mins.	DM,EM	$4.05 pkg/35
Answer sheets (Score with keys in pgk. of tests)	ALL	1.80 pkg/35

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BUCKINGHAM EXTENSION OF THE AYERS SPELLING SCALE **GRADES 2-9**

A scale from which to select words for testing purposes.

BUCKINGHAM EXTENSION OF THE AYERS SPELLING SCALE	NET PRICE
Pamphlet	.50 each

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CALIFORNIA LANGUAGE TEST **GRADES 4-14**

This test is the Language test taken from the achievement series of the California Achievement Tests. Answer sheets or scorezes are optional.

CALIFORNIA LANGUAGE TEST	FORM	NET PRICE
Elementary (Grades 4-6) 25 mins.	W,X	$3.50 pkg/35
Answer Sheets	ALL	.06 each
Scorezes	ALL	.11 each
Hand Keys for answer sheets	ALL	.25 each
Machine Keys	ALL	.50 each
Junior High (Grades 7-9) (All prices are the same as Elementary with the exception of Machine Keys)	W,X	3.50 pkg/35
Machine Keys	ALL	.50 each
Advanced (Grades 9-14) (All prices are the same as Elementary with the exception of Machine Keys)	W,X	3.50 pkg/35
Machine Keys	ALL	.60 each

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CALIFORNIA PHONICS SURVEY (Copyright 1963) **GRADES 7-Adult**

This test is more than a measure of phonic skills. It is also a measure of the effective use of these skills in silent reading, spelling, composition,

and mechanics of English. It identifies students who have acquired all the phonics facts necessary for accurate reading, but who do not make adequate use of this knowledge in their reading. In addition, it identifies those who lack these necessary phonic skills, but who have developed such sight vocabularies that this handicap has been effectively covered up. The Diagnostic Profile reveals the areas in which students have particular weaknesses in phonic skills.

Two forms of the test are available. The test booklet, which contains the possible responses, is the same for both forms and manual contains the two sets of stimulus words, sentences, or sounds that are read to the examinees. Form 1 can be used for survey testing and diagnostic analysis. Form 2 is available for survey testing only. Because of the unusual syllables which occur, the use of taped directions assures uniform and proper pronunciation. Examinees may record their responses either on IBM Answer Sheets, scorezes, or in the test booklet.

CALIFORNIA PHONICS SURVEY	FORM	NET PRICE
Test Booklet (Grades 7-Adult) 40 mins.	1,2	$3.90 pkg/35
Manual of Directions	1,2	.35 each
Tape Recorded Directions for Administration	1,2	6.60 each
IBM Answer Sheets	ALL	.06 each
Scoreze (Form 1 only)	1	.11 each
Hand/Machine Scoring Stencils (Specify Form)	1,2	2.25 per set

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CENTER-DUROST LITERATURE ACQUAINTANCE TEST — **GRADES 11-12**

A measure of acquaintance with books worth reading. The test contains 65 test items based on stories, poems, and plays found in the recommended Reading List of the National Council of Teachers of English. In each item the student is asked to choose from three titles the one from which a selected excerpt or episode comes. A separate answer sheet is required for each student tested and is scored with the key in the package.

CENTER-DUROST LITERATURE ACQUAINTANCE TEST	FORM	NET PRICE
Test Booklets	AM	$4.20 pkg/35
Answer sheets		1.50 pkg/35

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COOPERATIVE ENGLISH
(Combined booklet edition) 1960 — **GRADES 9-12**

This comprehensive instrument to measure the most important basic English skills has now been compiled into two tests for each level instead of three. There is only one answer sheet for the revised edition and it can be hand or machine scored. The same answer sheet is used for all forms and all levels.

COOPERATIVE ENGLISH	FORM	NET PRICE
Lower Level Test Booklets	2A, 2B	$7.20 pkg/20
IBM Answer Sheets	ALL	1.25 pkg/20
Scoring Stencils (Specify form)	2A, 2B	.65 per set
Manual for Interpreting scores	ALL	1.25 each
Student Report-Profile	ALL	1.25 pkg/20
Score Distribution Sheets	ALL	1.00 pkg/50
Technical Report	ALL	1.25 each
Higher Level Test Booklets	1A, 1B	All prices same as above.

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COOPERATIVE LITERARY COMPREHENSION & APPRECIATION **GRADES 10-12**

Items based on selections of poetry and literary prose measure the student's ability to recognize literary devices, define the author's point of view or attitude, identify verse patterns, meter, etc. Interpretation and appreciation of literature are measured rather than familiarity with the material presented. The test is also an instrumental aid in increasing the student's enjoyment of literature by developing his ability to understand it.

COOPERATIVE LITERARY COMPREHENSION & APPRECIATION	FORM	NET PRICE
Test Booklets (Grades 10-12) 40 mins.	R	$4.85 pkg/25
Answer Sheets (Optional)	R	1.25 pkg/25
Stencils (For answer sheets)		.35 each

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COOPERATIVE VOCABULARY TEST **GRADES 7-12**

A 210-word vocabulary test from a careful sampling of the words in Thorndike's *Teachers Word Book*. The test is arranged in seven equivalent scales of thirty items each. Scores depend on the range of words known rather than on speed of recognition, and a score is meaningful even if only some of the scales are attempted. This arrangement increases the test's flexibility permitting wide variation in timing from the suggested 30 minutes.

COOPERATIVE VOCABULARY TEST	FORM	NET PRICE
Test Booklets	Z	$4.85 pkg/25

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DUROST-CENTER WORD MASTERY TEST **GRADES 9-12**

A test designed to provide a measure of general vocabulary level based upon carefully selected, functional vocabulary list, and to measure the extent to which the student is able to learn the meanings of unknown words by seeing them in typical context situations. The test is in two parts. Part I is a multiple-choice vocabulary test; Part II presents the same words used in meaningful sentences. A comparison of a student's scores on the two parts provides a measure of his ability to

learn meanings from context. Percentile norms by grade. Separate answer sheets are required for each pupil, and are scored with the key that comes in the package.

DUROST-CENTER WORD MASTERY TEST	FORM	NET PRICE
Test Booklets (Grades 9-12) 1 hour	AM	$4.75 pkg/35
Answer Sheets (required)		1.80 pkg/35

ESSENTIALS OF ENGLISH TEST **GRADES 7-12**

This test comes in a six-page booklet which is divided into five parts as follows: I, Spelling; II, Grammatical Usage; III, Word Usage; IV, Sentence Structure; V, Punctuation and Capitalization.

The package contains tests, directions, scoring key, class record and Diagnostic Key.

ESSENTIALS OF ENGLISH	FORM	NET PRICE
Test Booklets	A or B	$2.55 pkg/25

INGLIS TESTS OF ENGLISH VOCABULARY **GRADES 6-ADULT**

These tests are designed to measure the pupil's knowledge of those words that belong neither to the everyday vocabulary of commonest words nor to the special or technical vocabularies, but to the vocabulary of the intelligent reader. Consequently the purpose is primarily to test the reading vocabulary rather than the active vocabulary.

INGLIS TESTS OF ENGLISH VOCABULARY	FORM	NET PRICE
Lower Level Tests (Grade 6-10)	X,Y	$3.00 pkg/30
Upper Level Tests (Adult)	A,B	3.30 pkg/30

IOWA LANGUAGE ABILITIES TESTS **GRADES 4-10**

There are two tests in this group. Each test covers spelling, word measuring, language usage, capitalization, and punctuation. The Intermediate also covers sentence sense and grammatical form recognition. A Manual for Interpreting, which must be ordered separately, gives detailed information on diagnosis and remediation.

IOWA LANGUAGE ABILITIES	FORM	NET PRICE
Elementary Test Booklets (Grades 4-7)	A	$4.05 pkg/35
Manual for Interpreting	ALL	.35 each
Intermediate Test Booklets (Grades 7-10)	B	4.95 pkg/35
Manual for Interpreting	ALL	.35
Intermediate Test Booklets (Machine) (Grades 7-10)	AM or BM	6.35 pkg/35
IBM Answer Sheets	AM/BM	2.50 pkg/35
Machine Stencils		.85 per set
Manual for Interpreting		.35 each

MICHIGAN VOCABULARY PROFILE TEST **GRADES Hi. Sch. & Adult**

The eight subtests cover human relations, commerce, government, physical sciences, biological sciences, mathematics, fine arts, and sports. The profile of knowledge in the various areas which the test affords is important for guidance and counseling purposes, offering the necessary complement to measures of interest in the various areas. Can be scored in the booklet, or separate answer sheets may be purchased and the booklets reused.

MICHIGAN VOCABULARY PROFILE TEST	FORM	NET PRICE
Test Booklets	AM or BM	$4.45 pkg/35
Answer Sheets	ALL	1.80 pkg/35

MORRISON-MCCALL SPELLING SCALE **GRADES 2-8**

A booklet containing eight spelling lists of fifty words each, ranging from easy to difficult. The same list may be used in all grades.

MORRISON-MCCALL SPELLING SCALE	NET PRICE
Test Booklet (Grades 2-8)	.30 each

NATIONAL ACHIEVEMENT TEST IN SPELLING **GRADES 3-12**

A list of words that should be familiar to the different grade levels. Test are on four levels and should be ordered by levels.

NATIONAL ACHIEVEMENT TEST IN SPELLING	FORM	NET PRICE
Grades 3-4 Test List		$2.15 pkg/25
5-8 Test List		$2.15 pkg/25
7-9 Test List		Same as above
10-12 Test List		Same as above

READING VOCABULARY FOR PRIMARY GRADES (Gates) **GRADES 1-3**

This is a book for teachers—it gives a list of 1811 words which have been selected as highly suitable for use in all forms of reading materials in grades 1, 2, and 3. The words are arranged in two forms: first in an alphabetical list of the 1811 words followed by a rating of 1,2,3, or 4. This rating indicates whether the word falls within the first, second, third or fourth 500 on the basis of importance as determined by application of the criteria mentioned in the introduction of the booklet. Following this list of words appears an alphabetical list of all the words in the first 500, a second list of words in the second 500, a third list of the words in the third 500, and a fourth list containing the 311 words falling within the fourth 500.

READING VOCABULARY FOR PRIMARY GRADES	FORM	NET PRICE
Book of Words (Grades 1-3)		.65 each

SPITZER STUDY SKILLS TEST — **GRADES 9-13**

A measure of mastery of the basic skills required for effective study. The test measures five important work-study skills through the following subtests: Using the Dictionary; Using the Index; Knowledge of Sources of Information; Understanding Graphs, Maps, and Tables; and Organization of Facts in Note Taking. Results of each subtest are sufficiently reliable to be useful for diagnostic purposes. Answer sheets are required for each pupil tested.

SPITZER STUDY SKILLS TEST	FORM	NET PRICE
Test booklets (Grades 9-13)		$6.05 pkg/35
Answer Sheets		1.80 pkg/35

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TEST OF ENGLISH USAGE — **Hi. Sch.-College**

Divided into three parts: Test I, Mechanics of Writing, which includes capitalization, use of the apostrophe, and punctuation; Test II, Accurate Use of Words, which includes words of action and verb forms; and Test III, Building Sentences and Paragraphs. Student answers are marked on the test booklet or on separate scorezes or IBM answer sheets. The IBM answer sheets can be scored by hand with the hand-scoring stencil.

TEST OF ENGLISH USAGE	FORM	NET PRICE
Test Booklets	A	$3.90 pkg/35
Scorezes		.11 each
IBM Answer Sheets		.06 each
Hand Stencils		.30 each
Machine Stencils		.70 each

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TRESSLER ENGLISH MINIMUM ESSENTIALS TEST — **GRADES 8-12**

Covers the essentials of good usage in grammatical correctness, vocabulary punctuation and capitalization, sentence structure, sentence sense, inflection and accent, and spelling. Separate answer sheets are not necessary except for machine scoring.

TRESSLER ENGLISH MINIMUM ESSENTIALS TEST	FORM	NET PRICE
Test Booklets (Grades 8-12)	A	$3.00 pkg/35
IBM Answer Sheets		.08 each
Machine Stencil		.40 each

History

COOPERATIVE AMERICAN HISTORY TEST — **High School**

This test samples the wide range of material covered in secondary schools and college survey courses in American History. On the secondary school level it is particularly suitable for college preparatory students. It measures primarily the student's knowledge of basic facts and trends in the economic, social, and political development of the United States. Separate answer sheets may be used, but are not required except for machine-scoring.

COOPERATIVE AMERICAN HISTORY	FORM	NET PRICE
Test Booklets	Z	$4.85 pkg/25
Answer Sheets		1.25 pkg/25
Stencils		.35 each

COOPERATIVE WORLD HISTORY TEST — **High School**

This test measures acquaintance with major political, social, and economic trends from prehistoric times to the present. Students are asked to exercise broad time perspective and to show an understanding of basic historical developments. Considerable emphasis is given to the twentieth century. This test is an especially useful measure of end-of-course achievement of superior senior high school classes in world history. Separate answer sheets are optional.

COOPERATIVE WORLD HISTORY	FORM	NET PRICE
Test Booklets (Hi. Sch.)	X,Y, or Z	$4.85 pkg/25
Answer Sheets		1.25 pkg/25
Stencils		.35 each

CRARY AMERICAN HISTORY TEST — **High School**

An end-of-year test which measures not only knowledge of important historical facts, such as dates, laws, treaties, etc., but also understanding of historical processes, ability to interpret historical data, map skills, and reasoning by inference. Important aspects of political, social economic, diplomatic, military, and cultural history are covered. Separate answer sheets are required for each student. Scoring key comes in the package.

CRARY AMERICAN HISTORY	FORM	NET PRICE
Test Booklets (High School)	AM,BM	$4.05 pkg/35
Answer Sheets (Specify Form)	AM,BM	1.60 pkg/35

CUMMINGS WORLD HISTORY TEST — **High School**

A measure not only of factual knowledge of world history, but also

of understanding of the great movements and social trends that have taken place in the development of civilization. The first 45 items are factual questions on major historical events, dates, places, and leaders. The remaining 35 items cover important aspects of the history of ancient times, medieval and modern Europe, and the two World Wars. Separate answer sheets are required for each pupil. Scoring key comes in the package.

CUMMINGS WORLD HISTORY	FORM	NET PRICE
Test Booklets (Hi. Sch.)	AM	$4.75 pkg/35
Answer Sheets		1.60 pkg/35

Mathematics

ANALYTICAL SCALES OF ATTAINMENT IN ARITHMETIC — **GRADES 4-8**

Measures separately quantitative relationships, arithmetic vocabulary, fundamental operations of arithmetic, and ability to solve problems.

ANALYTICAL SCALES OF ATTAINMENT IN ARITHMETIC	NET PRICE
Division 1 (Grades 4)	$1.85 pkg/25
Division 2 (Grades 5-6)	1.85 pkg/25
Division 3 (Grades 7-8)	1.85 pkg/25

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BASIC SKILLS IN ARITHMETIC TESTS — **GRADES 6-12**

Fundamental arithmetic skills, including problems involving whole numbers, fractions, decimals, and percentages are measured by this test. Results help determine group and individual instructional needs. They can also be used for counseling and selection of students for enrollment in courses requiring arithmetical background. Diagnostic class record sheets must be ordered separately.

BASIC SKILLS IN ARITHMETIC TESTS	FORM	NET PRICE
Test Booklets (Grades 6-12) 45 mins.	A	$2.25 pkg/20
Diagnostic Class Record Sheets		.15 each

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BLYTH SECOND-YEAR ALGEBRA TEST — **END of 2ND YEAR**

Measures competence in the basic skills of algebraic facts and concepts. The 55 items include problems and exercises on symbolic expression, factoring, radicals, exponents, logarithms, simple progressions, linar and quadratic equations, and graphic methods. Answers may be recorded in the test booklet or on separate answer sheets.

BLYTH SECOND-YEAR ALGEBRA TEST	FORM	NET PRICE
Test Booklets	AM	$3.85 pkg/35
Answer Sheets		1.60 pkg/35

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BRESLICH ALGEBRA SURVEY TEST — **1st-2nd SEMESTERS**

The First Semester Test is used at the end of the first semester to determine how much algebra the pupils have assimilated and where the work needs to be strengthened for individuals and for classes. Consists of six parts: Part I, Algebra Concepts; Part II, Changing Algebraic Expressions to Simpler Forms; Part III and Part IV, Solving Equations and Deriving Equations from Problems; Part V, Formulas and Graphs; Part VI, Factoring.

The Second Semester Test used at the end of the second semester consists of six parts: Part I, Algebraic Concepts; Part II, Algebraic

Processes; Part III, Solving Equations; Part IV, Problems; Part V, Fractions; Part VI, Functional Relationships.

BRESLICH ALGEBRA SURVEY TEST	FORM	NET PRICE
1st Semester Test. 42 mins.	A,B	$3.20 pkg/35
2nd Semester Test. 52 mins.	A,B	3.20 pkg/35

BRUECKNER DIAGNOSTIC ARITHMETIC TESTS — **GRADES 4-8**

The purpose of these tests is to determine what mistakes pupils make and why they make them. Each test covers the four fundamental processes. Being truly diagnostic no norms are offered. The emphasis is on type, frequency, and cause of error. Individual Diagnostic Sheets show what remedial work is needed (not available for Decimals).

BRUECKNER DIAGNOSTIC ARITHMETIC TESTS	NET PRICE
WHOLE NUMBERS (Grades 4-8)	$2.30 pkg/25
FRACTIONS (Grades 5-8)	Same as above
DECIMALS (Grades 5-8)	Same as above
Manuals (Specify)	.80 each
Individual Diagnostic Sheets (Specify)	1.80 pkg/25

CALIFORNIA ALGEBRA APTITUDE TEST — **Jr. Hi. and Sr. Hi.**

This test is used to recognize as early as possible and place in ability sections pupils of superior aptitude for mathematics for the more intensive instruction suited to their capacities, so that the students incapable of profiting from the study of algebra may be spared the waste of time and effort and may direct their energies to other subjects.

CALIFORNIA ALGEBRA APTITUDE TEST	NET PRICE
Test Booklets	$2.30 pkg/25

CALIFORNIA ARITHMETIC TEST — **GRADES 1-4**

These tests are identical to the corresponding parts of the complete California Achievement Test batteries, WXYZ. Each level is divided into two major tests, Arithmetic Reasoning and Arithmetic Fundamentals. The major tests in turn are divided into three or four sections, giving part scores for diagnostic purposes. IBM Answer Sheets and Scorezes are optional.

CALIFORNIA ARITHMETIC TEST	FORM	NET PRICE
Lower Primary (Grades 1-2)	W,X	$3.15 pkg/35
Upper Primary (Grades 3-4)	W,X	same as above
Elementary (Grades 4-6)	W,X	3.50 pkg/35
IBM Answer Sheets (Specify Grade)	ALL	.06 each
Machine Stencil (Specify Grade & Form)	W,X	.60 each

Hand Stencil (Specify Grade & Form)	W,X	.25 each
Scorezes (Specify Grade)	W,X	.11 each
Junior High (Grades 7-9)	W,X	3.50 pkg/35
Advanced (Grades 9-14)	W,X	3.50 pkg/35

IBM, scorezes, etc., same as Elementary.

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COOPERATIVE ALGEBRA TEST **High School**

The elementary part of the Cooperative Algebra test covers algebra through quadratics. The problems included in this test are all multiple choice and include both formal and word types. The test is especially useful for measuring achievement at the end of the course.

The Intermediate part of the Cooperative Algebra Test covers quadratics and beyond. The material covered is average for a standard course. Scaled scores are provided and percentile rank tables are available. IBM Answer sheets are optional.

COOPERATIVE ALGEBRA	FORM	NET PRICE
Elementary Test Booklets	Z	$4.85 pkg/25
Intermediate Test Booklets	T	4.85 pkg/25
Answer Sheets (Specify)	Z,T	1.25 pkg/25
Stencils (Specify)		.35 each

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COOPERATIVE MATHEMATICS TESTS **GRADES 7-9**

This test consists of four parts: Skills; Facts, Terms and Concepts; Applications; and Appreciation. The questions cover basic arithmetic processes in both formal and word problems as well as the meanings of common quantitative terms and expressions. Some simple concepts of algebra and geometry are utilized. Primarily measures growth in the fundamentals of mathematics and identifies relative strengths and weaknesses. IBM, Answer Sheets are optional.

COOPERATIVE MATHEMATICS TEST	FORM	NET PRICE
Test Booklets (Grades 7-9)	Y	$4.85 pkg/25
Answer Sheets		1.25 pkg/25
Stencils		.35 per set

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COOPERATIVE PLANE GEOMETRY **High School**

An objective measurement of achievement in the most commonly taught high school mathematics courses is provided by tests containing a combination of discrete items and sets requiring knowledge of terms and concepts as well as problem-solving. Answer sheets are optional.

COOPERATIVE PLANE GEOMETRY	FORM	NET PRICE
Test Booklets (Grade, H. Sch.)	Z	$4.85 pkg/25
Answer Sheets		1.25 pkg/25
Stencils		.35 each

COOPERATIVE SOLID GEOMETRY **High School**

To measure end-of-course achievement in a standard high school solid geometry course. Answer sheets are optional.

COOPERATIVE SOLID GEOMETRY	FORM	NET PRICE
Test Booklets	O	$4.85 pkg/25
Answer Sheets		1.25 pkg/25
Stencils		.35 each

COOPERATIVE TRIGONOMETRY **High School**

End-of-course achievement is measured by this test in material covered by high school trigonometry courses. Answer sheets are optional.

COOPERATIVE TRIGONOMETRY	FORM	NET PRICE
Test Booklets	U	$4.85 pkg/25
Answer Sheets		1.25 pkg/25
Stencils		.35 each

DAVIS TEST OF FUNCTIONAL COMPETENCE IN MATHEMATICS **GRADES 9-13**

This test is based on the essentials of functional competence in mathematics as outlined by the Commission on Post-War Plans of the National Council of Teachers of Mathematics. The different sections of the test measure specifically the following areas: Consumer Problems; Graphs and Tables; Symbolism, Equations, etc.; Ratio, Tolerance, etc. Answer sheets are required and can be either scored by hand or machine with the key that comes in the package.

DAVIS TEST OF FUNCTIONAL COMPETENCE IN MATH	FORM	NET PRICE
Test Booklets (Grades 9-13)	AM	$4.75 pkg/35
Answer Sheets (Required)		1.60 pkg/35

IOWA ALGEBRA APTITUDE TEST **High School**

This index to a pupil's ability to master algebra is now available in a quick-scoring form. Designed to be given before formal study of the subject. Gives an objective basis for advising pupils whether or not to elect Algebra. May also be used for sectioning pupils. Separate answer sheets are optional. No manual comes in the package.

IOWA ALGEBRA APTITUDE TEST	FORM	NET PRICE
Test Booklets		$2.30 pkg/25
Manuals (Required)		.35 each
Answer Sheets		.07 each
Machine Stencil		.30 per set
Hand Stencils		.40 per set

LANKTON FIRST-YEAR ALGEBRA TEST **High School**

A 55 item test on the vocabulary of algebra, meaning and use of symbols, fundamental operations, formulas, equations, simple algebraic fractions, radicals, ratio, proportion, variation, graphs, trigonometric, functions and the solution of problems by the use of algebra. Answer sheets are **required** for each student and may be hand or machine scored with stencil that comes in the package of tests.

LANKTON 1st YEAR ALGEBRA	FORM	NET PRICE
Test Booklets	AM,BM	$4.05 pkg/35
Answer Sheets		1.60 pkg/35

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LEE MAINTENANCE DRILLS AND TESTS IN ARITHMETIC **Grades 7-Hi. Sch.**

These 62 page booklets are designed to meet the needs of those students who have inadequate mastery of, or need a review of arithmetic basic skills. Twenty sets of drills and tests in mixed fundamentals are provided to cover variations of twenty of the necessary review work with a minimum number of problems—a teaching situation most difficult to obtain by other means. Each drill of ten problems is followed a few days later by a test of problems of the same type and difficulty, thus providing a constructive arithmetic program which serves the following four significant purposes.

1. Maintenance of skills in fundamental arithmetic processes.
2. Continuous diagnosis of difficulties.
3. Remedial teaching on the basic of diagnosis followed by re-testing.
4. Understanding his own needs and progress on the part of the student, as shown on MY *Progress Record* and the *Diagnostic Record Sheets provided in each booklet.*

LEE MAINTENANCE DRILLS, etc.	FORM	NET PRICE
Grade Seven Edition Booklets		$ .75 each
Grade Eight Edition Booklets		Same as above
High School Edition Booklets		Same as above

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LEE TEST OF ALGEBRAIC ABILITY **High School**

The specific uses to which the results of this test can be applied are:

1. To determine whether or not a student should take algebra.
2. To aid in sectioning classes.
3. To determine various levels of ability within the class as an aid to instruction in case conditions do not permit sectioning.
4. To discover, at the beginning of the term, pupils who are capable of doing exceptional work in algebra.
5. To provide a measure of the student's algebraic ability so that a teacher can tell whether poor work is due to lack of ability or to other factors that can be corrected.

LEE TEST OF ALGEBRAIC ABILITY	FORM	NET PRICE
Test Booklets (High School)	A	$3.60 pkg/35

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MADDEN-PEAK ARITHMETIC COMPUTATION TEST — **GRADES 7-12**

A reliable measure of the basic arithmetic computational skills needed by adults. Contains 73 items and yields separate scores on: Part I, Addition and Subtraction; Part II, Multiplication and Division; Part, III, Common Fractions; Part IV, Decimal Fractions, Mixed Decimals, and Per Cent; Part V, Mental Computation and Estimation. Separate answer sheets are optional and may be scored with the stencil that comes in the package of test.

MADDEN-PEAK ARITHMETIC COMPUTATION TEST	FORM	NET PRICE
Test Booklets	AM	$3.85 pkg/35
Answer Sheets		1.60 pkg/35
Machine Stencils		.25 each

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METROPOLITAN ARITHMETIC (Achievement Series) — **GRADES 3-9**

There are three different tests in this group covering both computation and problem solving.

METROPOLITAN ARITHMETIC	FORM	NET PRICE
Elementary (Grades 3-4)	A,B	$4.35 pkg/35
Intermediate (Grades 5-6)	A,B	Same as above
Advanced (Grades 7,8 & 1st half of 9)	A,B	Same as above

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NEW YORK TEST OF ARITHMETICAL MEANINGS — **GRADES 1-3**

A measure of mastery of essential pre-measurement and numerical concepts. *Level One* samples concepts normally acquired before and during the first grade. *Level Two*, sampling pre-measurement concepts, standard measures, and numbers and processes, is based on the arithmetic taught in the first two years of school. Content at both levels is entirely pictorial.

NEW YORK TEST OF ARITHMETIC MEANINGS	NET PRICE
Level One (end of grade 1) 1 hour	$4.05 pkg/35
Level Two (end of grade 2) 1 hour	3.35 pkg/35

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ORLEANS ALGEBRA PROGNOSIS TEST — **High School**

This test consists of nine simple lessons, each followed by a series of questions covering algebraic principles and skills including the use of symbols, substitution of valves for symbols, expression of relationships

by symbols, and problem-solving. An arithmetic test and a summary test are also included. Data are presented on the extent to which scores on this test are actually predictive of success in learning first-year algebra.

ORLEANS ALGEBRA PROGNOSIS	FORM	NET PRICE
Test Booklets	A	$3.65 pkg/35

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ORLEANS GEOMETRY PROGNOSIS TEST — **High School**

A measure of abilities necessary for success in learning geometry. The test consists of several simple lessons in geometry, each followed by a series of questions covering essential skills and principles such as understanding and use of axioms, of the vocabulary of geometry, and of geometrical notation; interpretation of statements of geometrical relations; and solution of problems. Data are presented on the extent to which scores on the test actually predict success in geometry. Detailed recommendations are given for use of the results in light of local requirements.

ORLEANS GEOMETRY PROGNOSIS	FORM	NET PRICE
Test Booklets	A	$3.65 pkg/35

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SCHORLING-CLARK-POTTER HUNDRED PROBLEM ARITHMETIC TEST — **GRADES 7-12**

Designed to survey computational abilities in the basic skills of arithmetic. Each of two forms contains one hundred items, arranged in five sections—Addition, Subtraction, Multiplication, Division, and Fraction, Decimals and Per Cents.

SCHORLING-CLARK-POTTER 100 PROBLEM ARITHMETIC TEST	FORM	NET PRICE
Test Booklets (Grades 7-12)	V,W	$2.40 pkg/35

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SEATTLE ALGEBRA TEST — **High School**

Measures not only knowledge and understanding of the facts of beginning algebra but also the application of acquired skills and methods. The 47 items cover understanding of basic terms; fundamental processes with signed quantities; sequence of numerical operations; practical formulas; multiplication of binomials; solution of equations of the first degree by the rules of equality; solution of a set of simple simultaneous equations; algebraic representation and problems. Separate answer sheets are required.

SEATTLE ALGEBRA TEST	FORM	NET PRICE
Test Booklets	AM	$3.45 pkg/35
Answer Sheets (Required)		1.60 pkg/35

SEATTLE PLANE GEOMETRY TESTS **High School**

An accurate measure of student growth and accomplishment in geometry at the end of the first half year of study. Contains 45 test items, selected on the basis of curricular validity and satisfaction of statistical requirements. Measures vocabulary of geometry, knowledge of simple geometric construction, computational skills, and ability to reason from a figure. Separate answer sheets are required for each student and may be scored with the stencil that comes in the package.

SEATTLE PLANE GEOMETRY TESTS	FORM	NET PRICE
Test Booklets	AM,BM	$4.05 pkg/35
Answer Sheets	AM,BM	1.60 pkg/35

SHAYCOFT PLANE GEOMETRY TEST **High School**

Part A is devoted primarily to the measurement of important basic concepts and facts of geometry, while Part B measures application and reasoning on the basis of information. The 60 carefully selected items include questions on fundamental concepts, lines and rectilinear figures, the circle proportions, area of polygons, and geometric reasoning. Separate answer sheets are required for each student and they may be either hand or machine scored with the stencil that comes in the package.

SHAYCOFT PLANE GEOMETRY	FORM	NET PRICE
Test Booklets	AM	$4.05 pkg/35
Answer Sheets (Required)		1.60 pkg/35

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SNADER GENERAL MATHEMATICS TEST **High School**

A 65 item test measuring achievement of the important objectives of a general mathematics course of the type that includes material from the fields of algebra and informal geometry. The test samples the following areas: arithmetical concepts and processes, informal geometry, graphic representation, algebraic principles and skills, and numerical trigonometry. Measures not only computation and manipulation skills, but also application through problem situations. Separate answer sheets are required and may be hand or machine scored with the stencil that comes in the package.

SNADER GENERAL MATHEMATICS	FORM	NET PRICE
Test Booklets	AM	$4.75 pkg/35
Answer Sheets (Required)		1.60 pkg/35

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SRA ARITHMETIC **GRADES 6-9**

Taken from the Achievement Series, this test is in two parts. Part I, consists of arithmetic studies, and questions about the story—there are seven arithmetic stories and problem-solving questions. Part II, is designed to show how well the students understand some important

facts about arithmetic—deals with measurements, fractions, etc. An answer sheet is necessary for each student.

SRA ARITHMETIC	FORM	NET PRICE
Test Booklets (Grades 6-9)	A,B	$2.05 pkg/20
Answer Sheets		.06 each
Hand Stencils		.60 each
Machine Stencils		1.05 each

STANFORD ARITHMETIC **GRADES 3-9**

Taken from the Achievement Batteries. There are three different tests in the group. They cover both computation and problem solving.

STANFORD ARITHMETIC	FORM	NET PRICE
Elementary (Grades 3-4)	J,K	$2.95 pkg/35
Intermediate (Grades 5-6)	J,K	3.55 pkg/35
Advanced (Grades 7-9)	J,K or M	3.55 pkg/35

Reading

CALIFORNIA DIAGNOSTIC READING SCALE — GRADES 1-8

The Diagnostic Reading Scales are individually administered tests designed to identify reading deficiencies that hinder pupils from reading adequately. They consist of a series of graduated scales extending from Grades 1 through 8. Hence, they are recommended for normal and retarded readers at the elementary school level and for retarded readers at the junior and senior high school levels. The test battery comprises three word recognition lists, twenty-two reading passages, and six supplementary phonics tests. The testing materials consist of a reusable spiral-bound booklet for the pupil, an expendable record booklet for the examiner's use and the manual.

The graded word recognition lists are used to obtain a tentative level of performance. They serve to determine the grade level of the reading passages with which to commence testing. The reading passages yield three reading levels for each pupil: 1. Instructional Level (Oral Reading) 2. Independent Level (Silent Reading), 3. Potential Level (Auditory Comprehension).

The six supplementary phonics tests are devised to measure the following phonic skills: 1. consonant sounds, 2. vowel sounds, 3. consonant blends, 4. common syllables, 5. blends, and 6. letter sounds.

The record booklet serves as a record of the pupil's reading performance and can be placed in his cumulative folder. As the pupil progresses in reading skills, the booklet can be used to record results of additional testing with the Diagnostic Reading Scales.

DIAGNOSTIC READING SCALES	NET PRICE
Test Booklet	$ 1.25 each
Examiner's Record Booklet (One for ea. pupil)	10.95 pkg/35
Manual of Directions	.35 each

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CALIFORNIA READING TEST — GRADES 1-14

These tests are identical with the corresponding parts of the complete California Achievement Test batteries. Each form is divided into two major tests, Reading Vocabulary and Reading Comprehension. The major tests are in turn divided into three or four sections, giving part scores for diagnostic purposes. Booklets are reusable when either the separate self-scoring scorezes or IBM answer sheets are used. No key is needed with the scoreze, but a set of stencils must be used for scoring the IBM answer sheets, either by hand or machine.

CALIFORNIA READING TEST	FORM	NET PRICE
Lower Primary (Grades 1-2)	W,X	$3.15 pkg/35
Upper Primary (Grades 3-L4)	W,X	3.50 pkg/35
Elementary (Grades 4-6)	W,X, or Y	3.90 pkg/35
Scorezes		.11 each
IBM Answer Sheets		.06 each

Machine Stencils		.50 each
Hand Stencils		.25 each
Manuals		.65 each
Keys		.10 each
Class Records		.10 each
Junior High (Grades 7-9)	W,X, or Y	3.90 pkg/35
(All prices same as Elementary)		
Machine Stencils		.50 each
Advanced (Grades 9-14)	W,X	3.90 pkg/35
(All prices same as Elementary)		.60 each
Machine Stencils		

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DIAGNOSTIC READING TESTS—Survey Section **GRADES 4-13**

The Survey Section of the Diagnostic Reading Tests measures essential reading skills to provide administrators with a basis for planning individual and group reading instruction.

Two levels of the Survey are available—one for grades 4-8; the other for grades 7-13. Each assesses reading rate, study selection and story comprehension, and vocabulary. The survey for grades 4-8 also measures word recognition skills. Alternate forms (A and B) are available at both levels to facilitate retesting.

DIAGNOSTIC READING—Survey Section	FORM	NET PRICE
Test Booklets, Part I (Grades 4-8) 45 mins.	A,B	$4.05 pkg/20
Test Booklets, Part II (Grades 4-8) 45 mins.	A,B	4.05 pkg/20
IBM Answer Sheets	ALL	4.05 pkg/100
Scoring Stencils	ALL	.30 per set
Manuals	ALL	.30 each
Test Booklets (Grades 7-13) 45 mins.	A,B	.30 each
IBM Answer Sheets	ALL	.06 each
Scoring Stencils (specify form)	A,B	.30 each
Fan Keys (specify form)	A,B	.30 each
Manuals	ALL	.30 each

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DOREN DIAGNOSTIC READING TEST **GRADES 1-4**

The Doren Diagnostic Reading Test was developed especially for preventing the development of reading difficulties at the Third-grade level. It measures the degree to which children have mastered the word recognition skills. Does not diagnose comprehension difficulties. By limiting its scope to the development of word recognition skills, it is detailed and specific in its diagnosis.

The test divides the basic techniques of word recognition into the child's area of development—it is direct and specific in locating causes of reading difficulty—will define the difficulty and individual is having and place a level from which his reading learning should proceed.

Especially designed for cases where the background of acquired skills is undertermined and a starting point for remedial instruction is sought.

This is a group diagnostic test; no special training is needed to administer, and it is simply and directly scored.

DOREN DIAGNOSTIC READING TEST	NET PRICE
Test Booklets (Grades 1-4)	$3.55 pkg/25
Manuals (Must be ordered separately)	1.05 each

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DURRELL ANALYSIS OF READING DIFFICULTY **GRADES 1-6**

A standard procedure for analyzing reading ability. The material consists of the wire-bound Reading Paragraphs, a series of standardized word lists and reading selections, together with a quick exposure device (Tachistoscope) with accompanying test cards, and carefully worked out Individual Record Blank for recording results in a systematic way. Difficulties in the following phases of reading are analyzed in detail: silent and oral reading, word analysis, phonetics, faulty pronunciation, and difficulties in writing and in spelling. The Manual of Directions suggests general plans for remedial teaching. Time: 40 minutes

DURRELL ANALYSIS OF READING DIFFICULTY	NET PRICE
Individual Record Blanks (Grades 1-6)	$4.20 pkg/35
Reading Paragraph Book	1.55 per copy
Tachistoscope and Cards	1.35 per set
Blank Cards for Tachistoscope	1.50 per 30
Manual of Directions	.65 each

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DURRELL-SULLIVAN READING ACHIEVEMENT TEST **GRADES 3-6**

This is a group test parallel to the Capacity Test, and standardized on the same reading achievement. It comprises the following sub-tests: Test 1, Word Meaning; Test 2, Paragraph Meaning; and optional test of Spelling and Written Recall. Time: 30-35 minutes

DURRELL-SULLIVAN READING ACHIEVEMENT TEST	FORM	NET PRICE
Intermediate Test (Grades 3-6)	A	$4.25 pkg/25

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DURRELL-SULLIVAN READING CAPACITY TEST **GRADES 3-6**

This is a group test which uses the child's ability to understand spoken language as a measure of his capacity to read. It is composed entirely of pictures and consists of two sub-tests: Test 1, Word Meaning, Measuring understanding of spoken words, and Test 2, Paragraph Meaning, measuring comprehension of spoken discourse. Time: 30-40 minutes

DURRELL-SULLIVAN READING CAPACITY TEST	FORM	NET PRICE
Intermediate Test (Grades 3-6)	A	$3.35 pkg/35

DURRELL-SULLIVAN READING CAPACITY & ACHIEVEMENT TEST **GRADES 2-4**

This Primary Test, covering both capacity and achievement is made up of the easier portions of the Intermediate Test. Time: 40-45 minutes

DURRELL-SULLIVAN READING CAPACITY & ACHIEVEMENT TEST	FORM	NET PRICE
Primary Test (Grades 2-4)	A	$5.55 pkg/35

GATES ADVANCED PRIMARY READING TESTS **GRADES 2-3**

These tests are designed to meet the needs of those readers in grade 2 for whom the GATES PRIMARY READING TESTS may be too easy and of those readers in grade 3 for whom the GATES BASIC READING TESTS may be too difficult. The tests measure level and range of ability in word recognition and paragraph reading. To provide for retesting at intervals, three equivalent forms of each type are available. All necessary accessories come in the package.

GATES ADVANCED PRIMARY READING	FORM	NET PRICE
AWR: Word Recognition (Grades 2-3)	1,2,3	$1.55 pkg/35
APR: Paragraph Reading (Grades 2-3)	1,2,3	1.55 pkg/35

GATES BASIC READING TESTS **GRADES 3-8**

The 1958 edition of the Gates Basic Reading Tests embodies a thoroughly revised series. It contains three tests of speed and accuracy of reading, and two tests, one for Reading Vocabulary and one for Level Comprehension, not included in the earlier series.

The five tests were designed for use as a team. When all are given, a comprehensive survey of basic reading abilities is secured. The tests are, however, printed and may be purchased separately. These basic tests are suitable for average classes during the latter part of grade 3 and during higher grades up to the end of grade 8. They could be given to classes of superior reading ability earlier. Time: 20 minutes for each test

GATES BASIC READING	FORM	NET PRICE
GS: Reading to Appreciate General Significance	1,2,3	$1.55 pkg/35
UD: Reading to Understand Precise Directions	1,2,3	Same as above
ND: Reading to Note Details	1,2,3	"
RV: Reading Vocabulary	1,2,3	"
LC: Level of Comprehension	1,2,3	"

GATES-PEARDON PRACTICE EXERCISES IN READING **GRADES 2-8**

These booklets have as their aim the development of all-round proficiency in the five representative types of reading measured by the

GATES BASIC READING TESTS. The exercises are designed to supplement the other reading experiences of children and are arranged to make the training as direct as possible. The examiner must have a Manual of Directions, the pupil should have one booklet of each of the four types, if all-round proficiency is reading is the aim.

Type A,B,C, and D are published for each booklet: A. Reading to Appreciate the General Significance of a Selection; B. Reading to Predict the Outcome of Given Events; C. Reading to Understand Precise Directions; D. Reading to Note Details.

GATES-PEARDON PRACTICE EXERCISES IN READING	FORM	NET PRICE
Book III (Grades 2-4)	A,B,C, or D	$ .40 each
Book IV (Grades 3-5)	A,B,C, or D	Same as above
Book V (Grades 4-6)	A,B,C, or D	.40 each
Book VI (Grades 6-8)	A,B,C, or D	Same as above
Manuals		.30 each

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GATES PRIMARY READING TESTS **GRADES 1-3**

This series of reading tests measures level and range of ability in the three most important aspects of reading at the early primary stage. Each of these aspects of reading is tested by a separate test. To provide for retesting at intervals, three equivalent forms of each type are available. All necessary accessories come in the package.

GATES PRIMARY READING	FORM	NET PRICE
PWR: Word Recognition	1.2.3	$1.55 pkg/35
PSR: Sentence Reading	1,2,3	Same as above
PP: Paragraph Reading	1,2,3	"
Manuals		.30 each

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GATES READING READINESS TESTS **GRADES K-1**

Measures the general readiness for beginning reading. Consists of the following sub-tests: Picture Directions, Word Matching, Word-Card Matching, Rhyming, Reading Letters and Numbers. All necessary accessories come in the packages.

GATES READING READINESS	NET PRICE
Test Booklets (Grades K-1)	$2.30 pkg/35
Manuals	.25 each

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GATES READING SURVEY **GRADES 3-10**

Designed to measure word knowledge or vocabulary, power or level of comprehension, speed of reading, and accuracy of interpretation. May be used coordinately with GATES BASIC READING TESTS.

GATES READING SURVEY	FORM	NET PRICE
Test Booklets (Grades 3-10)	I or II	$2.80 pkg/35
Manuals		.30 each
Keys		.10 each
Class Records		.10 each

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GRAY STANDARDIZED ORAL READING CHECK TEST — **GRADES 4-8**

A detailed analysis of the individual difficulties in oral reading may be obtained by the use of these tests. An aid to determining the nature of a pupil's difficulties and the character of training necessary to develop oral reading ability.

GRAY STANDARDIZED ORAL READING CHECK	NET PRICE
Set III (Grades 4-6)	$3.30 pkg/100
Set IV (Grades 6-8)	Same as above

(Package of tests contain 20 each of the five tests, 20 individual record sheets and 4 direction sheets).

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GRAY STANDARIZED ORAL READING PARAGRAPHS — **GRADES 1-8**

This test is usable in all grades after the children have attained a preliminary vocabulary. Ability is checked in terms of rate of reading and in number of errors made. Children are tested individually.

GRAY STANDARDIZED ORAL READING PARAGRAPHS	NET PRICE
Test Booklets	$2.15 pkg/35

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IOWA SILENT READING TESTS — **GRADES 4-8**

A widely used battery of tests measuring several skills indispensable to effective reading of the work-study type. They are analytical—measuring rate of reading, comprehension, word meaning, and ability to use skills in locating information. No separate answer sheet is necessary except for the machine-scoring. The separate answer sheet may be hand-scored with the key that comes in the package of tests. Time: 49 minutes

IOWA SILENT READING	FORM	NET PRICE
Elementary Booklets (Grades 4-8)	AM,BM,CM,DM	$4.15 pkg/35
IBM Answer Sheets (Specify Form)	AM,BM,CM,DM	2.50 pkg/35
Machine Key (Specify Form)	AM,BM,CM,DM	.70 per set
Extra Manual		.25 each
Advanced Booklets (Hi. Sch-College) (Answer sheets & Keys same as Elementary)	AM,BM	5.55 pgk/35

KELLY-GREENE READING COMPREHENSION TEST **GRADES 9-12**

An over-all measure of reading comprehension. The test provides accurate measures of three significant reading abilities: 1. ability to comprehend selections of paragraph length; 2. ability to find answers to questions; and 3. ability to retain what is read. An estimate of rate of reading may also be obtained. Each of the three sub-tests is sufficiently long to yield a reliable measure. A separate answer sheet must be used for each student—they are scored with the key in the package of tests.

KELLY-GREENE READING COMPREHENSION	FORM	NET PRICE
Test Booklets (Grades 9-12)	AM	$6.00 pkg/35
IBM Answer sheets		1.80 pkg/35

LEE-CLARK READING READINESS TEST **GRADES K-1**

A widely used instrument for determining: 1. whether entering first grade pupils are ready for reading instruction and 2. the probable length of time before formal reading activities are advisable for immature children. The 1951 revision provides interesting and easily administered exercises, or test items which are designed primarily to predict probability of success in first-grade reading. The total score can be used as a aid in grouping or classifying pupils for reading instruction or into transition groups.

LEE-CLARK READING READINESS	NET PRICE
Test Booklets (Grades K-1)	$3.90 pkg/35
Manuals	.35 each
Class Records	.12 each

MCCALL-CRABBS STANDARD TEST LESSONS IN READING **GRADES 2-12**

These lessons are published in five booklets, each one consisting of 78 lessons comprising selection with questions of the multiple-choice type. They help develop a rate of speed and power of comprehension exceeding that yielded by ordinary methods of teaching silent reading. They embody in practical form scientific principles of teaching speed and comprehension in silent reading, and can be used by any teacher without supervision or special training. They help pupils to comprehend varied kinds of reading materials and increase enjoyment of reading. Testing and teaching at the same time, they indicate a pupil's reading ability in relation to grade and age, and show his individual progress. They are scored by the pupils themselves and provide a cumulative record of each pupil.

MCCALL-CRABBS STANDARD TEST LESSONS IN READING	FORM	NET PRICE
Test Booklets (Grades 2-4)	A	$ .55 each
Test Booklets (Grades 3-5)	B	Same as above
Test Booklets (Grades 4-6)	C	"
Test Booklets (Grades 5-7)	D	"
Test Booklets (Grades 7-12)	E	"
Additional Record Cards		.05 each
Manual with Key		.30 each

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MCGUFFEY READING TEST **GRADES 4-6**

Test is divided into five sections including tests on ability in reading and its basic elements; 1. syllables; 2. sound recognition; 3. vocabulary; 4. appreciation; and 5. understanding. Includes units for testing abilities and semantic recognition and construction, and, in sound recognition to evaluate ability on phonetic and structural analysis skills, and attempts to differentiate between understanding and appreciation as specific reading skills.

MCGUFFEY READING TEST	NET PRICE
Test Booklets (Grades 4-6)	$2.55 pkg/25

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METROPOLITAN ACHIEVEMENT READING TESTS **GRADES 3-9**

This Reading Test is lifted from the Achievement Battery and covers comprehension and vocabulary. Separate answer sheets may be used with the intermediate and advanced levels.

METROPOLITAN READING TESTS	FORM	NET PRICE
Elementary Test Booklets (Grades 3-4)	A,B	$4.65 pkg/35
Intermediate Test Booklets (Grades 5-6) (See Achievement series for IBM prices)	A,B	Same as above
Advanced Test Booklets (Grades 7-9) (See Achievement series for IBM prices)	A,B	Same as above

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NELSON DENNY READING TEST **GRADES 9-12**

This test provides a measure of reading ability in terms of vocabulary and comprehension. It also gives a measure of reading rate to supplement the information from the other two parts. It serves both screening and diagnostic purposes. It can be administered in one class period and has a sufficient span for superior students. Norms are provided in percentils and grades equivalent terms for grades 9-Adult, special adult norms for superior students and for adult reading classes. Answer sheets are required.

NELSON DENNY READING	FORM	NET PRICE
Test Booklets (Grades 9-adult) 30 minutes	A,B	$5.25 pkg/35
Carbon Answer Pads (Required)		.08 each
Examiners Manual		.55 each
Class Records		.05 each
Profiles		.05 each

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READING FOR UNDERSTANDING **GRADES 3-12**

A series of reading comprehension exercises designed to help students to think critically about what they read. Only through concentrated practice can students improve their ability to get meaning from their reading. Reading For Understanding can be used in conjunction with other curriculum materials in the language arts program or for concentrated practice in reading development programs.

Lessons cover 100 graduated levels of reading difficulty. At each progressive level the student must make more intricate analysis and judgments. Graduations are determined by ability to understand what is read rather than by grade level; thus materials have a wide school use. Testing in the elementary grades has indicated that fifth grade pupils may profit from practice at levels 1-30; while college remedial classes find the materials at each of the 100 levels useful for quick and intensive review.

READING FOR UNDERSTANDING	NET PRICE
A box of 400 Cards (4 for ea. 100 difficulty levels)	$30.00
Replacement Cards	2.55 pkg/40
Student Record Book	.30 each
Teacher's Handbook	.85 each
Placement Tests	2.15 pkg/40

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ROW-PETERSON READING
ACHIEVEMENT TESTS (Alice & Jerry Series) **GRADES 1-3**

These tests are based on material contained in the Alice and Jerry textbooks, and are used to measure the pupil's achievement at the termination of the course in which the books are used.

ROW-PETERSON READING	NET PRICE
Primary Tests (Under the Sky, Open the Door, etc.)	$1.25 per 25
Basic Primer (New Day In and Day Out)	1.25 per 25
First Reader Achievement Tests (New Round About)	Same as above
Second Reader Achievement Tests (New Friendly Village)	"
Third Reader Achievement Tests (New If I Were Going)	"

SANGREN-WOODY READING TEST **GRADES 4-8**

A measure of seven aspects of silent reading ability that are generally accepted as important components of silent reading instruction. Time: 27 minutes

SANGREN-WOODY READING TESTS	FORM	NET PRICE
Test Booklets (Grades 4-8)	A,B	$4.05 pkg/35

SCHRAMMEL-GRAY HIGH SCHOOL & COLLEGE READING TESTS

The three scores of this test help the teacher analyze each student's reading ability. The *gross-comprehension* score consists of the total items answered correctly on the paragraphs read. The *rate score* is a measure of the number of words read per minute for the testing period. The *comprehension-efficiency* score is a ratio between the other two scores and is indicative of efficiency in reading based on the quantity read.

SCHRAMMEL-GRAY HIGH SCHOOL & COLLEGE READING	FORM	NET PRICE
Test Booklets	A,B	$4.25 pkg/35

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SRA READING LABORATORY **GRADES 4-6**

For those who already have the Lab itself we are now stocking the booklets and teachers' handbooks. For use in average 4th grades, but can also be used advantageously in advanced 3rd grade, or lower 5th grades. Twelve reading difficulty levels from 2.0 to 9.0.

SRA READING LABORATORY	NET PRICE
Student Record Booklets	$ .45 each
Teachers' Handbooks	1.30 each

SRA READING RECORD **GRADES 8-13**

Measures ten reading skills: rate, general comprehension, paragraph meaning, directory reading, map-table-graph reading, advertisement reading, index usage, technical vocabulary, sentence meaning, and general vocabulary. Total score gives an over-all reading comprehension score. Enables teachers to answer such questions as "Is this student reading up to par for his grade?" "If he is below par, where do his weaknesses lie?" Rate score and total score can be used to classify students as superior, average, or inferior readers. The profile of specific reading skills can be used to plan reading training and to stimulate student's interest in improving these skills. The booklets do not have an answer pad attached—they must be ordered separately. Time: 40 minutes

SRA READING RECORD	NET PRICE
Reusable Test Booklets	$ .60 each
Self-scoring carbon answer pads (Required)	2.45 pkg/20
Profile sheets	.75 pkg/20
Manuals	.30 each

STANFORD ACHIEVEMENT READING TESTS — GRADES 3-9

Lifted from the Achievement Battery, these tests cover comprehension and vocabulary, or word meaning. Time: 35-40 minutes

STANFORD READING TESTS	FORM	NET PRICE
Elementary Test Booklets (Grades 3-4)	J,K, or L	$2.95 pkg/35
Intermediate Test Booklets	J or K	2.95 pkg/35
Advanced Test Booklets	J,K, or M	2.95 pkg/35

Science

ANDERSON CHEMISTRY TEST — **GRADES END OF 1st YEAR COURSE**

A measure of the extent to which students have achieved the important objectives of a high school course in chemistry. Contains 80 test items, selected on the basis of curricular validity and satisfaction of statistical requirements. Topics included are: chemical changes; solutions, elements, compounds; symbols, equations, problems; atomic structure; ionization; organic chemistry; applications.

The test is divided into the following parts: understanding of facts and concepts; understanding and application of functional principles; understanding and application of the elements of the scientific method and the ability to use the basic skills in chemistry. Answer sheets are required. May be hand or machine scored with the stencil that comes in package.

ANDERSON CHEMISTRY TEST	TIME	FORM	NET PRICE
Test Booklets	40 min.	AM or BM	$4.75 pkg/35
Answer Sheets (Required)		AM,BM	1.60 pkg/35

COOPERATIVE BIOLOGY TEST — **GRADES HIGH SCHOOL**

This test samples the material generally covered in biology courses at high school level. The test is divided into two parts. Part I consists of single answer multiple choice questions; Part II contains reading passages and diagrams followed by questions. Emphasis is placed upon the understanding of the basic principles and the ability to use these principles to interpret materials not generally encountered in text books. Separate answer sheets may be used and may be either hand or machine scored by using the machine stencil. Thus the booklets become reusable.

COOPERATIVE BIOLOGY TEST	TIME	FORM	NET PRICE
Test Booklets	40 min.	Y	$4.85 pkg/25
Answer Sheets		Y	1.25 pkg/25
Machine Stencil		Y	.35 each

COOPERATIVE CHEMISTRY TEST — **GRADES HIGH SCHOOL**

This two-part test is based upon material taught in a typical high school chemistry course and is therefore well suited to use as a measure of end-of-course achievement. Part I, which includes two-thirds of the questions, tests the students knowledge of basic chemistry; fundamental concepts and terms, reactions, properties and preparations, atomic structure and chemistry related to daily living. Part II is concerned with laboratory procedures and the interpretation of reading passages, graphs and tables. Emphasizes the student's ability to apply his knowledge of chemistry and to interpret scientific information. Separate answer sheets may be used and may be either hand or machine scored.

COOPERATIVE CHEMISTRY

TEST	TIME	FORM	NET PRICE
Test Booklets	40 min.	Z	$4.85 pkg/25
Answer Sheets		Z	1.25 pkg/25
Stencils		Z	.35 each

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COOPERATIVE GENERAL SCIENCE TEST — **GRADES HIGH SCHOOL**

This test consists entirely of short questions of the best-answer type. Some diagrams are included. Emphasis is placed primarily upon understanding of the reasons behind familiar scientific phonomena and processes, rather than upon mere memory and facts and definitions. The test, which samples the material commonly taught in general science courses, covers a sufficiently wide area to make it suitable for groups of varying backgrounds. Particularly useful as a measure of end-of-course achievement. Separate answer sheet may be used, and may be either hand or machine scored.

COOPERATIVE GENERAL SCIENCE TEST	TIME	FORM	NET PRICE
Test Booklets	40 min.	Y or Z	$4.85 pkg/25
Answer Sheets		Y or Z	1.25 pkg/25
Stencils		Y or Z	.35 each

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COOPERATIVE PHYSICS TEST — **GRADES HIGH SCHOOL**

This test, which covers the material taught in standard high school physics courses, is primarily suited to the measurement of end-of-course achievement. Items dealing with mechanics, heat, light, sound, and electricity are distributed throughout the test in proportion to the emphasis most generally placed upon them. Separate answer sheets may be used, and may be either hand or machine scored.

COOPERATIVE PHYSICS TEST	TIME	FORM	NET PRICE
Test Booklets	40 min.	Z	$4.85 pkg/25
Answer Sheets		Z	1.25 pkg/25
Stencils		Z	.35 each

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COOPERATIVE SCIENCE TEST FOR GRADES 7, 8 and 9 — **GRADES 7-9**

This test is divided into three separately timed parts. Part I, Informational Background (40 minutes) and Part II, Terms and Concepts (15 minutes) consist of multiple choice questions. Part III, Comprehension and Interpretation (25 minutes) is made up of scientific reading selections, each followed by a number of questions which test the student's ability to understand, interpret, and apply what he has read.

The items call for a knowledge of the principles governing the functioning of common mechanical and electrical devices, such as the

doorbell and the fuse, and such natural phenomena of the physical world as the weather, the seasons, and plant reproduction. Separate answer sheets may be used, and may be either hand or machine scored.

COOPERATIVE SCIENCE TEST FOR GRADES 7, 8 and 9	TIME	FORM	NET PRICE
Test Booklets	40 min.	Y	$4.85 pkg/25
Answer Sheets		Y	1.25 pkg/25
Stencils		Y	.35 each

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DUNNING PHYSICS TEST — **END OF 1st YEAR COURSE**

A measure of knowledge of basic facts, principles, and laws, as well as an understanding of physics. The fields covered include mechanics, heat, sound, light, electricity, and modern physics. Answer sheets are required. May be hand or machine scored.

DUNNING PHYSICS TEST	TIME	FORM	NET PRICE
Test Booklets	45 min.	AM	$4.75 pkg/35
Answer Sheets (Required)		AM	1.60 pkg/35

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ENGLE PSYCHOLOGY TEST

An end-of-course test in general psychology at the high school level, based on a nationwide survey of high school courses and textbooks. The test consists of 80 questions, covering biological foundations, statistics, intelligence, personality and inter-personal relationships, learning, mental hygiene, vocational and social problems.

ENGLE PSYCHOLOGY TEST	TIME	FORM	NET PRICE
Test Booklets	20 min.	AM	$4.75 pkg/35
Answer Sheets (Required)		AM	1.60 pkg/35

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NELSON BIOLOGY TEST — **END OF HIGH SCHOOL COURSE**

Measures knowledge and understanding of biological facts, concepts, and principles; ability to recognize cause-effect relationships; and ability to apply what has been learned in the appraisal of a life situation. Based on criteria presented in the 31st and 46th Yearbooks or the National Society for the Study of Education as well as leading courses of study and teacher guides for the most widely used textbooks. Answer sheets are required. May be hand or machine scored.

NELSON BIOLOGY TEST	TIME	FORM	NET PRICE
Test Booklets	40 min.	AM	$4.75 pkg/35
Answer Sheets (required)		AM	1.60 pkg/35

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READ GENERAL SCIENCE TEST — **END OF HIGH SCHOOL COURSE**

A measure of knowledge and understanding of the basic facts and principles of the physical and biological sciences, and their applications

in problem-solving situations. The test comprises 75 tests items. Topics covered are: air, water, heat, light, sound, work and machines, magnetism and electricity; bacteria, the human body, nutrition, disease and health, conservation, plant life; chemistry of familiar articles; weather and climate, communication, transportation, geology, astronomy, space; scientific method. Answer sheets are required. May be hand or machine scored with stencil that comes in package.

READ GENERAL SCIENCE TEST	TIME	FORM	NET PRICE
Test Booklets	40 min.	AM or BM	$4.75 pkg/35
Answer Sheets (required)		AM or BM	1.60 pkg/35

STANFORD ACHIEVEMENT SCIENCE **GRADES 5-9**

Content is selected from the Science tests of the Intermediate and Advanced complete batteries.

STANFORD ACHIEVEMENT SCIENCE	TIME	FORM	NET PRICE
Test Booklets		JM	$3.10 pkg/35
Answer Sheets (required)		JM	1.45 pkg/35
Stencils (required)		JM	.30 each

Social Studies

CALIFORNIA TESTS IN SOCIAL AND RELATED SCIENCES — GRADES 4-12

This test is geared to present-day curricula in History, Geography, and the Sciences. The Norms available are: On the Elementary level; grade placement and percentile norms. On the Advanced level; Percentile norms are provided. The norms for Parts I and II are based on students completing a high school course in U. S. History. For Part III two sets of norms are provided. The first set is based on students completing 9th grade General Science, while the other norms are for Test 6, Biological Sciences only, and based on students completing a tenth grade course in Biology.

The Elementary Battery for grades 4-8 includes six tests: Part I—Test 1, The American Heritage and Test 2, People of Other Lands and Times; Part II—Test 3, Geography and Test 4, Basic Social Processes; and Part II—Test 5, Health and Safety and Test 6, Elementary Science.

The Advanced Battery for grades 9-12 also includes six tests as follows: Part I—Test 1, Creating a New Nation (to 1789) and Test 2, Nationalism, Sectionalism, and Conflict (1790-1876); Part II—Test 3, The Emergence of Modern America (1877-1918) and Test 4, The U. S. in Transition (since 1918); and Part III—Test 5, Physical Science and Test 6, Biological Science.

CALIFORNIA TESTS IN SOCIAL AND RELATED SCIENCES	TIME	FORM	NET PRICE
Elementary Level (Grades 4-8)			
Part I	60 min.	AA	$3.40 pkg/35
Answer Sheets (specify part and level)		AA	.07 each
Hand Stencils (specify part and level)		AA	.25 each
Machine Stencils (specify part and level)		AA	.50 each
Scorezes (specify part and level)		AA	.11 each
Manuals (specify level)		AA	.30 each
Keys for Test Booklets (specify part and level)		AA	.10 each
Class Records (specify part and level)		AA	.10 each
Part II (All prices are the same as Part I)	60 min.	AA	3.40 pkg/35
Part III (All prices are the same as Part I with the exception of machine stencils)	60 min.	AA	3.40 pkg/35
Machine Stencils		AA	.25 each

Advanced Level (Grades 9-12)			
Part I	45 min.	AA	3.40 pkg/35
(All prices are the same as Elementary Part I with the exception of machine stencils)			
Machine Stencils		AA	.25 each
Part II	45 min.	AA	3.40 pkg/35
(All prices are the same as Elementary Part I with the exception of machine stencils)			
Machine Stencils		AA	.25 each
Part III	80 min.	AA	3.40 pkg/35
(All prices are the same as Elementary Part I with the exception of machine stencils)			
Machine Stencils		AA	.85 each

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COOPERATIVE AMERICAN GOVERNMENT TEST **SENIOR HIGH**

An 85-item test using descrete items to measure factual knowledge and critical judgment in material generally covered in American government courses. Scaled scores and percentile rank tables available.

COOPERATIVE AMERICAN GOVERNMENT TEST	TIME	FORM	NET PRICE
Test Booklets	40 min.	X	$4.85 pkg/25
Answer Sheets		X	1.25 pkg/25
Stencils		X	.35 each

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COOPERATIVE SOCIAL STUDIES TEST FOR GRADES 7, 8 and 9 **GRADES 7-9**

This test provides three part-scores: I, Informational Background; II, Terms and concepts; III, Comprehension and Interpretation. Concepts from American and World history, geography and civics are covered. Part III is based on typical maps, charts and reading materials. Scores are useful when entering high shool to show new teachers their standing. Separate answer sheets are optional, but when used the test booklet becomes reusable.

COOPERATIVE SOCIAL STUDIES TEST FOR GRADES 7, 8 and 9	TIME	FORM	NET PRICE
Test Booklets	80 min.	X	$4.85 pkg/25
Answer Sheets		X	1.25 pkg/25
Stencils		X	.35 each

DIMOND-PFLIEGER PROBLEMS OF DEMOCRACY TEST — **END-OF COURSE**

A measure of the extent to which students have achieved the important objectives of a course in problems of democracy. 80 items are arranged in three sections covering four major content areas particularly stressed in the typical high school course: government, economics, sociology and international affairs.

DIMOND-PFLIEGER PROBLEMS OF DEMOCRACY TEST	TIME	FORM	NET PRICE
Test Booklets	40 min.	AM	$4.05 pkg/35
Answer Sheets (required)		AM	1.60 pkg/35

PELTIER-DUROST CIVICS AND CITIZENSHIP TEST — **END-OF COURSE**

A measure of the extent of student knowledge in civics and citizenship, and student attitudes and beliefs in this area. The achievement section, composed of 50 multiple-choice items and 27 matching items, measures knowledge of Federal, State, and Local government officials, proceedings, functions, and principles. The attitude section assesses important feelings and beliefs in the citizenship area. Answers may be recorded on the detachable answer sheet in test booklet or on separate answer sheet. Percentile norms come with the test.

PELTIER-DUROST CIVICS AND CITIZENSHIP TEST	TIME	FORM	NET PRICE
Test Booklets	55 min.	AM	$4.15 pkg/35
Answer Sheets		AM	1.50 pkg/35

STANFORD ACHIEVEMENT SOCIAL STUDIES — **GRADES 5-9**

Content is selected from the Social Studies section of the Intermediate and Advanced complete batteries.

STANFORD ACHIEVEMENT SOCIAL STUDIES	TIME	FORM	NET PRICE
Test Booklets		JM	$3.75 pkg/35
Answer Sheets (required)		JM	1.35 pkg/35
Stencils		JM	.30 each

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Aptitude Tests

APTITUDE TEST FOR OCCUPATIONS **GRADES 9-13**

This battery of aptitude tests consist of six tests and may be given as a group or individually. Answer sheets are optional. Time: 1 hour 47 mins.

APTITUDE TEST FOR OCCUPATIONS	FORM	NET PRICE
Test 1, Personal-Social Aptitude	A	3.20 pkg/35
Test 2, Mechanical Aptitude	A	$3.20 pkg/35
Test 3, General Sales Aptitude	A	4.00 pkg/35
Test 4, Clerical Routine Aptitude	A	2.45 pkg/35
Test 5, Computational Aptitude	A	2.45 pkg/35
Test 6, Scientific Aptitude	A	3.20 pkg/35
IBM Answer Sheets (optional)	ALL	.07 each
Hand/Machine Stencils		.50 per set
Profiles	ALL	.06 each
Manuals		.30 each

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DETROIT GENERAL APTITUDE EXAMINATION **GRADES 8-12**

This examination is a new step in the field of aptitude testing. Three kinds of aptitudes—intelligence, mechanical, and clerical—are included in the test booklet. It is given as one test to be analyzed later into three fields. Economy of testing has been achieved by using certain tests in more than one type of aptitude. For example, tests 4 and 13 are used for intelligence, mechanical, and clerical aptitudes. The pages are so arranged that the tests of all three aptitudes are scattered among the sixteen pages.

DETROIT GENERAL APTITUDE EXAMINATION	FORM	NET PRICE
Test Booklet (Grades Jr. Hi.-Hi. Sch.) 90 mins.	A	$5.65 pkg/35
Teacher's Handbook		.50 each
Extra Analysis of Results Charts		.55 pkg/35

NOTE: The Ayres Handwriting Scale is needed in scoring Test 1 of this Examination.

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DIFFERENTIAL APTITUDE TESTS (DAT) **GRADES 8-13**

An integrated battery of aptitude tests designed for educational and vocational guidance in junior and senior high schools. Based on the research finding that "intelligence" is not a single ability but rather a number of abilities possessed in varying amounts by each individual, the battery yields nine reliable scores including an index of scholastic ability. Together, these form a basis for helping students plan their futures soundly and for the early identification of those with superior intellectual promise.

DIFFERENTIAL APTITUDE TESTS	FORM	NET PRICE
Verbal Reasoning (Grades 8-13) 30 mins.	A	$3.65 pkg/25
Numerical Ability (Grades 8-13) 30 mins.	A	2.75 pkg/25
Abstract Reasoning (Grades 8-13) 25 mins.	A	3.65 pkg/25
Space Relations (Grades 8-13) 30 mins.	A	4.25 pkg/25
Mechanical Reasoning (Grades 8-13) 30 mins.	A	4.55 pkg/25
Clerical Speed and Accuracy (Grades 8-13) 6 mins.	A	3.65 pkg/25
Language Usage (Grades 8-13) 35 mins.	A	3.65 pkg/25
Answer Sheets (Specify by subject)		2.30 pkg/50 or .05 each
Individual Profile Charts		1.50 pkg/50
Interpretive Manual		2.40 each
Hand Stencils		2.00 per set
Machine Stencils		2.00 per set
Subject Stencils		.30 each
Casebook		2.00 each
The Combined booklets and answer sheets		
COMBINATION 1—Verbal Reasoning and Numerical Ability		4.50 pkg/25
COMBINATION 2—Mechanical Reasoning, Language Usage, and Space Relations Tests, in that order		8.45 pkg/25
COMBINATION 3—Clerical Speed and Accuracy, and Abstract Reasoning. No combined answer sheets. Order two as listed above		5.00 pkg/25
Answer sheets—Combination 1		.06 each
Answer sheets—Combination 2		.09 each
NOTE: Use separate Clerical Speed and Accuracy, and Abstract Reasoning answer sheets as listed for Form A.		
Combination Hand Stencils		1.25 per set
Combination Manuals		1.90 each

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FLANAGAN APTITUDE CLASSIFICATION TESTS (FACT) **GRADES-Hi. Sch.-Adult**

All the FACT school-scoring tests are paper-and-pencil tests; they can be given to a group by one examiner. Students mark their answers in the self-scoring booklets. Aptitude Classification sheets provide the counselor with a means of computing a student's job element aptitudes. Jobs are grouped as to: Professional, business, and skilled trades.

FLANAGAN APTITUDE CLASSIFICATION TESTS	FORM	NET PRICE
Inspection (Order by No. or title)	1A	$2.60 pkg/20
Coding " " "	2A	2.60 pkg/20
Memory " " "	3A	2.60 pkg/20
Precision " " "	4A	2.60 pkg/20
Assembly " " "	5A	2.60 pkg/20
Scales " " "	6A	2.60 pkg/20
Coordination " " "	7A	2.60 pkg/20
Judgment " " "	8A	2.60 pkg/20
Arithmetic " " "	9A	2.60 pkg/20
Patterns " " "	10A	2.60 pkg/20
Components " " "	11A	2.60 pkg/20
Tables " " "	12A	2.60 pkg/20
Mechanics " " "	13A	2.60 pkg/20
Expression " " "	14A	2.60 pkg/20
Aptitude Classification Sheets		.75 pkg/20
Student's Booklet (REQUIRED-Worksheets)		.30 each
Examiner's Manual		.35 each
Counselor's booklet		.50 each
Manual, "Interpreting Test Scores"		.30 each
Technical Supplement		.35 each

MULTIPLE APTITUDE TESTS **GRADES 7-13**

The nine differential tests in primary aptitude areas are designed to yield maximum data when used as an integrated battery. In addition to the nine test scores, four factorially determined scores and a Scholastic Potential score assist in counseling and guidance.

MULTIPLE APTITUDE TESTS	NET PRICE
FACTOR I — Verbal Comprehension	
Test 1. Word Meaning. 12 mins.	
Test 2. Paragraph Meaning. 30 mins.	$ 5.05 pkg/35
FACTOR II — Perceptual Speed	
Test 3. Language. 25 mins.	
Test 4. Routine Clerical Facility. 8 mins.	5.05 pkg/35
FACTOR III — Numerical Reasoning	
Test 5. Arithmetic Reasoning. 30 mins.	
Test 6. Arithmetic Computation. 22 mins.	5.05 pkg/35
FACTOR IV — Spatial Visualization	
Test 7. Applied Science and Mechanics. 30 mins.	
Test 8. Spatial Relations—Two dimensions. 8 mins.	
Test 9. Spatial Relations—Three dimensions. 12 mins.	10.05 pkg/35

Directions for Administering & Scoring	.35 each
Guide to Interpreting Test Scores	.65 each
Class Records	.12 each
Extended Profiles	.04 each
IBM Answer Sheets for FACTORS I & II (one sheet)	.07 each
IBM Answer Sheets for FACTORS III & IV (one sheet)	.07 each
Hand Stencil	.85 per set
Machine Stencils	.85 per set

Interest Inventories

KUDER—OCCUPATIONAL INVENTORY **High School-College**

This new Kuder test measures the relationship of preferences to specific jobs. Kuder D is used in high schools and colleges to give students information concerning occupations within which their interest lie; to confirm specific occupational choices so that appropriate educational decisions may be made.

Separate scores, or occupational keys, are provided for specific jobs. A Verification Key provides a check on the reliability of the subjects answers.

Occupational Scoring Keys for hand or machine:

#0 Verification
1 County Agriculture Agent
2 Electrical Engineer
3 Farmer
4 Forester
5 Minister
6 Newspaper Editor
7 Physician
8 Psychologist—Clinical
9 Psychologist—Industrial
10 YMCA Secretary
11 School Superintendent
12 Accountant
13 Meteorologist
14 Personnel Manager
15 Department Store Salesman
16 Psychologist—Professor
17 Civil Engineer
18 Mechanical Engineer
19 Psychologist—Counseling
20 Journalist
21 Architect
22 Lawyer
23 Retail Clothier
24 Insurance Agent
25 Dentist
26 Veterinarian
27 Industrial Engineer
28 Pediatrician
29 Psychiatrist
30 Radio Station Manager
31 Interior Decorator
32 High School Counselor
33 High School Science Teacher
34 High School Math Teacher
35 Chemist
36 Mining & Metallurgical Engineer
37 Druggist
38 Job Printer
39 X-Ray Technician
40 Bank Cashier
41 Pharmaceutical Salesman
42 Librarian

KUDER OCCUPATIONAL INVENTORY	FORM	NET PRICE
Test Booklets (Hi. Sch.-College)	D	$ .60 each
Answer Sheets		6.50 pkg/100
Manual		.60 each
Keys (Specify title)		1.05 each
Research Handbook		2.60 each

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KUDER PREFERENCE RECORD—PERSONAL **GRADES 8-12**

Measures preference for five different personal and social activities. It tells the kinds of relations the student prefers with other people. Measures preference for working with ideas, being active in groups, avoiding conflicts, directing others, and being in familiar and stable situations.

KUDER PREFERENCE RECORD-PERSONAL	FORM	NET PRICE
Reusable Test Booklets (Grades 8-12)	A	$ .60 each
Self-scoring pin-punch answer pads		2.65 pkg/20
Profile sheets: Boys & Girls (Specify)		.75 pkg/20
Men & Women (Specify)		.75 pkg/20
Profile Leaflets		1.00 pkg/20
Manuals		.35 each

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KUDER PREFERENCE RECORD—VOCATIONAL **High School-College**

This vocational form measures nine broad areas of education and vocational interests: mechanical, computational, scientific, persuasive, artistic, literary, musical, social service, and clerical. It does not include the outdoor scale, the verification score or the glossary that appear in Form C.

KUDER PREFERENCE RECORD	FORM	NET PRICE
Test Booklets	BB	.60 each
Pin-punch answer pads		2.65 pkg/20
Profile Sheets		.75 pkg/20
Profile Leaflets		1.00 pkg/20
Manual		.55 each
Extra pins		1.00 per 20
Test Booklets (Measures 10 areas of interest, all those mentioned in Form BB, plus the outdoor scale)	CH	.60 each
Profiles and Manuals, same as Form BB		
Test Booklets (Measures 10 areas of interest, all those mentioned in Form BB, plus the outdoor scale)	CM	.60 each
IBM Answer Sheets		.06 each
Machine Keys		7.55 per 22
Profiles and Manuals, same as Form BB		

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OCCUPATIONAL INTEREST INVENTORY **Junior-Senior High**

Designed to aid in discovering the basic occupational interests possessed by an individual in order that he may more intelligently plan a program that will result in his being a successful employee or a competent student. The fields of interest identified are: Personal-Social, Natural, Mechanical, Business, The Arts, and the Sciences. The Inventory also identifies three types of interests—Verbal, Manipulative, and Computational and gives a measure of the student's level of interest. In the latter he learns whether he enjoys occupations requiring simple routine and unskilled activities or occupations involving originality, inventiveness and professional skill. Can be answered in the booklet or on separate answer sheets.

OCCUPATIONAL INTEREST INVENTORY	FORM	NET PRICE
Intermediate Booklets (Jr. Hi.)	Jr. Hi.	5.85 pkg/35
Answer Sheets		.07 each
Hand Stencils		.85 per set
Machine Stencils		1.00 per set
Advanced Booklets (Sr. Hi.) (All prices and accessories same as above)	Sr. Hi.	Same as above

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WHAT I LIKE TO DO **GRADES 4-7**

Identifies youngsters' preferences in eight interest areas. Teachers can utilize this knowledge to stimulate pupils to learn. The scores help in planning suitable instructional activities and in guilding and counseling. Items have been carefully selected to include the most typical and important in-school and out-of-school activities of children in this age range.

WHAT I LIKE TO DO	NET PRICE
Test Booklets (Grades 4-7)	3.10 pkg/20
Answer Sheets	.06 each
Manual	.30 each
Teacher's Handbook	.60 each
Scoring Stencil	1.60 per set

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Personality and Guidance

BELL ADJUSTMENT INVENTORY (STUDENT FORM) Rev. 1962

Aids the counselor in discovering the extent and sources of personal maladjustment. Student Form, revised in 1962, reports scores for four areas of adjustment—Home, Health, Social, and Emotional.

BELL ADJUSTMENT INVENTORY (STUDENT FORM)	NET PRICE
Test Booklets	4.25 pkg/25
IBM Answer Sheets	2.90 pkg/25
Scoring Stencils	2.75 per set
Manuals	1.40 each
Profiles	2.00 pkg/50

BERNREUTER PERSONALITY INVENTORY **ADULT**

By use of this blank, several aspects of personality are indicated at one time: neurotic tendency, self-suffering, introversion-extroversion, dominance-submission, sociability and confidence. May be either hand or machine-scored. Separate answer sheets are required for machine-scoring only.

BERNREUTER PERSONALITY INVENTORY	NET PRICE
Inventory Blanks	$4.10 pkg/25
Individual report sheets	1.00 pkg/25
Manuals	.35 each
IBM answer Sheets	.05 each
Hand Keys	1.15 per set
Machine Stencils	6.15 per set

CALIFORNIA TEST OF PERSONALITY **KINDERGARTEN-COLLEGE**

This series of group tests is designed to identify and reveal the status of certain highly important components in personality and social adjustment often referred to as intangibles. Each test is designed to provide teachers, supervisors, and administrators with significant evidences of the personal and social status of individuals and groups, and to provide a means for guiding them to better adjustment. By means of carefully validated "yes-no" responses, the tests give evidence of how students feel, think, and act regarding a wide variety of situations which vitally affect them as individuals or as members of groups. The test is divided into two sections: personal adjustment and social adjustment. All levels may be scored in the test booklet; or separate hand-scoring scoreze pads or IBM answer sheets are available for Elementary through Adult levels.

CALIFORNIA TEST OF PERSONALITY	FORM	NET PRICE
Primary (K-3) 50 mins.	AA	$3.90 pkg/35
Elementary (Grades 4-8) 50 mins.	AA	3.90 pkg/35
Scoreze		.11 each
IBM answer sheets		.07 each
Machine Stencils		.85 per set
Hand Stencils		.25 per set
Intermediate (Grades 7-10) 50 mins. (All prices are the same as Elementary)	AA	3.90 pkg/35
Secondary (Grades 9-College) 50 mins. (All prices same as as Elementary)	AA,BB	3.90 pkg/35
Adult (All prices are the same as Elementary)	AA	3.90 pkg/35

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MINNESOTA COUNSELING INVENTORY — **High School**

For counselors of high school students. A new tool, based on the *Minnesota Multiphasic Personality Inventory* and the *Minnesota Personality Scale,* yielding nine scores. Three scores identify areas in which teen-agers may be adjusting particularly well or poorly: Family Relationships, Social Relationships, Emotional Stability. Four scores indicate students characteristic ways of meeting problems and their behavior in social groups: Conformity; Adjustment to Reality; Mood; Leadership.

"Questions" and "Validity" scores are provided as checks on test-taking attitude. The booklets contain 355 statements to be marked True or False as it applies to the student. The separate answer sheet can be hand or machine scored. The profile chart furnished with each answer sheet incorporates the norms so that reference to separate tables is not necessary.

MINNESOTA COUNSELING INVENTORY	NET PRICE
Test Booklets	$4.40 pkg/25
Answer Sheets	4.50 pkg/50
Hand Keys/Manual	.75 each
Machine Keys/Manual	1.15 each

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MOONEY PROBLEM CHECK LIST — **Jr. Hi.-Sr. Hi.**

These forms are widely used to help individuals express their personal problems. Valuable for group survey and research purposes as well as for appraisal of problems of individuals before or during counseling. They are self-administering, and for many counseling purposes require no scoring. Areas covered are health and physical development; home and family; morals and religion; sex; economic security; school or occupation; social and recreational, etc. The directness of the check list method makes it an effective fact-finder in a wide variety of situations.

MOONEY PROBLEM CHECK LIST	FORM	NET PRICE
Test Booklets (Jr. Hi.) 30 mins.	J	$2.20 pkg/25
Test Booklets (Sr. Hi.) 30 mins.	H	2.20 pkg/25

PINTNER: ASPECTS OF PERSONALITY **GRADES 1-9**

An inventory consisting of three sections covering assendence-submission, extroversion-introversion, and emotionality. An aid to the teacher in discovering problem cases.

PINTNER: ASPECTS OF PERSONALITY	NET PRICE
Test Booklets (Grades 1-9) 30 mins.	$3.10 pkg/35

JUNIOR INVENTORY (SRA) **GRADES 4-8**

The Junior Inventory is a problem check list which measures children's problems, interests and attitudes. While primarily an inventory of individual pupil problems, this measure also furnishes schools with a wealth of information for undertaking and/or evaluating their guidance and curriculum programs. A valuable guidance aid at the elementary school level—can be used as a tool to gather fundamental data regarding the nature, area, and frequency of children's problems as the children themselves see their problems. This check list not only gives the child an opportunity to indicate the problems he feels he has, but permits him to indicate the degree or intensity of each problem, by checking a big box for big problems, middle-sized box for middle-sized problems, small box for small problems, or a circle for no problem. Form S yields scores in five major areas: Things in General, About Myself, Getting Along with Other People, About Me and My School, About Me and My Home.

JUNIOR INVENTORY	FORM	NET PRICE
Tests Booklets (Grades 4-8) 40 mins.	S	$2.35 pkg/20
Profiles (optional)		1.10 pkg/20
Manual		.55 each

SRA YOUTH INVENTORY **GRADES 7-12**

This inventory helps identify problems that young people worry most about. Eight separate areas are covered: My School, Looking Ahead, About Myself, Getting Along with Others, My Home and Family, Boy Meets Girl, Health and Things in General. In addition, a Basic Difficulty Key indicates which problems may be caused by serious personality difficulties. Booklets are reusable if separate answer sheets are used. No answer pad comes with either the AH or the AM booklet—they must be ordered separately.

SRA YOUTH INVENTORY	FORM	NET PRICE
Hand-Scoring Edition Booklets (7-12) 40 mins.	AH	.60 each
Self-scoring answer pads	AH	2.45 pkg/20
Basic Difficulty Scoring Stencil	AH	.55 each
Machine-scoring Edition Booklets	AM	.60 each
Answer Sheets	AM	.06 each
Stencils	AM	2.60 per set
Junior High Profiles	AH,AM	1.25 pkg/20
Senior High Profiles	AH,AM	1.25 pkg/20
Manuals	AH,AM	.30 each

NEW FORM S

This new form employs the strength of response answer method. A student's response indicates his degree of reaction to a problem because he checks squares corresponding in size to his feelings. All necessary items now come in the package.

Consumable Booklets (7-12) 40 mins.	S	$2.45 pkg/20
Profiles	S	1.10 pkg/20
Manuals		.55 each

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THURSTONE TEMPERAMENT SCHEDULE — **Hi. Sch.-Adult**

Seven different temperament traits are measured by this test: active, vigorous, impulsive, dominant, stable, sociable, and reflective. This is not an adjustment inventory. It surveys those relatively stable personality traits important to success and satisfaction in different school curricula and occupations. Primary value of the Temperament Schedule is in assessing the ability to meet the personality requirements of shool or job situations. The booklet does not have an answer pad attached, they must be ordered separately.

THURSTONE TEMPERAMENT SCHEDULE	FORM	NET PRICE
Reusable Booklets (Hi. Sch.-Adult) 40 mins.	AH	.60 each
Self-scoring carbon answer pads		2.45 pkg/20
Manuals		.30 each

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VINELAND SOCIAL MATURITY SCALE — **GRADE 1-Maturity**

Outlines performances in which the individual shows progressive capacity under three main headings: Self-Help, Self-Direction, and Communication. An instrument for parents, teachers, counselors, social workers, clinicians; pediatricians, psychiatrists.

VINELAND SOCIAL MATURITY SCALE	NET PRICE
Test Booklets	$2.40 pkg/25
Manual of Directions	1.65 each

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Miscellaneous

AYERS HANDWRITING SCALE **GRADES 2-8**

This scale for measuring the quality of handwriting is to increase the reliability of measurements of handwriting through standardizing methods of securing and scoring samples, and through making numerous improvements in the scale itself designed to reduce variability in the results secured through its use.

AYERS HANDWRITING SCALE	NET PRICE
One Sheet, 9" x 36" (Grades 2-8)	.55 each

HANDWRITING FOR LEFT-HANDED CHILDREN	NET PRICE
Copy	.85 each

KILANDER HEALTH KNOWLEDGE TEST **GRADES 9-12**

A measure of knowledge and understanding of matters pertaining to health. The test includes questions on personal health, community health and sanitation, nutrition, safety and first aid, and mental and emotional health. Although intended primarily as a measure of achievement in a course in health instruction, it may be used also to measure health knowledge resulting from other courses or obtained incidentally. An answer sheet is required for each student—they may be hand or machine scored with the stencil in the package.

KILANDER HEALTH KNOWLEDGE	FORM	NET PRICE
Test Booklets (Grades 9-12) 40 mins.	AM	$4.05 pkg/35
Answer Sheets		1.60 pkg/35

CUMULATIVE RECORD FOLDERS

This letter size folder enables you to concentrate in one place all the pertinent information about a pupil. Space for information about a pupil from kindergarten through high school.

CUMULATIVE RECORD FOLDERS	NET PRICE
Folders	.15 each

SEASHORE MEASURES OF MUSICAL TALENTS (Series A) **GRADES 5-Adult**

These phonographically presented tests measure six aspects of auditory discrimination: pitch, loudness, time, timbre, rhythm, and tonal memory. **Series A** covers a wide range of difficulty and is used in guidance and selection testing. It consists of one 33⅓ record. May be hand or machine scored.

SEASHORE MEASURES OF MUSICAL TALENTS	NET PRICE
Album with 50 answer sheets, keys and manual	$15.00
Answer Sheets	2.75 pkg/50
Scoring Stencils	.25 each
Manual	.50 each

MEIER ART

MEIER ART JUDGMENT TEST **GRADES Jr. Hi. & Sr. Hi.**

This test consists of a book of 100 pairs of pictures printed by a special process resembling etching, and a record sheet containing instructions, statements of difference between pairs of pictures and a means of recording pupil judgment.

MEIR ART JUDGMENT TEST	FORM	NET PRICE
Test Booklets		1.35 per book
Test record sheets		.06 each
Manuals		.35 each
Keys		.20 each

PENCILS, Electrographic

For marking separate answer sheets that are to be machine scored. These have the appearance of ordinary lead pencils—are not mechanical and require no refilling.

	NET PRICE
Pencils	$2.50 per 36

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Chapel Hill
Site of the University
North Carolina
which first
opened its doors
in January
1795

Writers by Moonlight: II

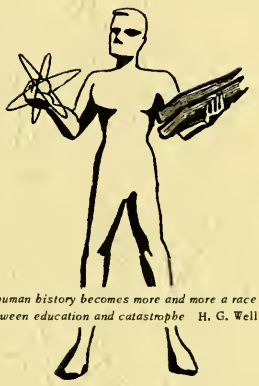
Edited by

Manly Wade Wellman

The Evening College

of

The University of North Carolina



'human history becomes more and more a race between education and catastrophe H. G. Wells

W R I T E R S B Y M O O N L I G H T : II

Examples of Work by

Students of Creative Writing
in the Evening College
University of North Carolina

1964

Edited by Manly Wade Wellman

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INTRODUCTION

The Evening College is proud of the contribution it has been making to adult education purposes in the Chapel Hill area. Hundreds of adults in the past six years have participated in a variety of subjects for a variety of reasons. Somehow, this little inexpensive publication, Writers by Moonlight, which has arisen from a course in creative writing, has come to symbolize the student body of The Evening College. It is not perfect, of course, and the stories may not have the polish which only the professional writer could give them. But they are sincere and they have been produced, like the work of The Evening College student in general, with tremendous motivation. The authors represent the hundreds of Evening College students who are striving to know more, who are seeking means of becoming better educated persons, and who are searching for a way to communicate with their fellow man.

We in The Evening College are proud of Writers by Moonlight: II and all the things for which it stands. We are proud of the devotion of Manly Wade Wellman as he went beyond the call of duty to help his students. We hope the reader will find as much pleasure in our publication as we have in presenting it to you.

Sim O. Wilde, Jr., Director
The Evening College

FOREWORD

Of sixteen students who registered for the class in creative writing offered by the Evening College of the University of North Carolina for the 1964 spring semester, fourteen completed the work of the course. Six were men, eight were women. In age they ranged from the teens to the fifties. They came from various States, North, South and West, had received various educations, reflected various home backgrounds, conformed to various tastes and life patterns. Four of the fourteen were published, before or during the semester.

Class sessions were held one evening a week, for the reading and critical evaluation of some fifty short stories written by these fourteen students. Emphasis was on simple techniques of fiction and their mastery and improvement.

The four short stories here presented were finished as class assignments, and each has been industriously polished by its author. All four authors hope to write professionally, and any of them, or all of them, may succeed. Wherever they go on the trail of a writer, here is where and how they began.

Manly Wade Wellman
Chapel Hill, North Carolina,
May 21, 1964

CHILDISH THINGS

This blazingly important hour in a little girl's life might have happened to her had she lived anywhere in the world. But it so falls out that we find it happening in the American South, to a brief time and small space of which the mirror is held up, reflecting for us the lights and shadows.

Sara learns what it is to grow up in no longer than it takes her eye to wink, what it is to take charge of a crisis when those who are bigger and older than she are stricken helpless. Maybe Callie is the only one in the house who recognizes how swiftly and strongly Sara seizes upon adult thought, decision and action. In any case, Sara makes the seizure solid and permanent, and her reward, as you may agree, is a heartening one.

Mrs. Webb was born in Atlanta and attended Duke University and the University of North Carolina. She lives in Durham, where her husband is a newspaper executive. She has published several brief sketches in the Junior League Magazine, and hopes to write a novel.

CHILDISH THINGS

by Mena Webb

It was Sunday morning, and Sara sat on the back steps watching Callie turn the handle on the ice cream freezer. The smell of fried chicken floated out from the kitchen and hung in the air, trapped by the vines that climbed up the lattice work and shaded the porch. Callie's arm moved up and down, slow and steady, and sweat beaded her forehead. Her skin was like brown satin and her hair, black and kinky, was divided into neat squares and twisted in little knots. Later, she would put on a starched organdy cap with a black ribbon run through it. That was Mama's idea, for Sundays, and Callie didn't like it. She wore it straight across her brow, almost down to her eyes, like an Indian headband.

"Can I lick the dasher?" Sara asked.

"Ain't that what you been waiting for?" Callie's laugh came out high and soft. "When you gonna quit such things? Here you nearbout twelve years old, and still wearing them pants and climbing trees and licking dashers. Don't you ever want to grow up and be a lady?"

Sara snorted.

"No I don't. You think I want to be like that Maybelle, across the street? She's plumb dying to grow up...always prissing around, giggling every time she sees a boy, and whispering about babies and things."

Callie sniffed.

"You can't be no tomboy all your life, do you'll never get a husband."

"Husband?" Sara echoed. "Are you crazy?"

"Naw, I ain't. You think your Mama ever catch your Papa wearing overall pants and playing baseball? The Bible say come a time when you got to put away childish things."

"Well, I ain't ever gonna grow up and be like Maybelle Pridgen," said Sara quickly, hoping Callie wouldn't

get started on the Bible. She bet God was sick and tired of hearing about it, especially since the Catechism said He already wrote it in the first place. She began to chew the skin around one of her fingernails and then stopped, remembering that Mama was always saying Don't bite your fingernails, and Hold your shoulders back, and Walk, don't gallop around like a wild pony. That made her think of Uncle Jim, because he said he'd give her a pony if she ever made all A's for a whole year. But bad as she wanted a pony she'd never been able to do it, on account of English grammar and fighting on the playground.

Callie took the handle off the freezer and Sara got up and came on the porch. This was the time, the true time, when the feeling of Sunday came all over her. Putting on her best dress and her black patent leather shoes didn't do it; and sitting in Sunday School listening to old lady Stackhouse talk about Jesus and Paul didn't do it, either. It was things like this...the rattly-swishy sound of melting ice and water inside the wooden freezer, the good smells coming out of the kitchen, and the sun shining hot and bright on the back yard that looked different, somehow, still and quiet, because it was Sunday. Like God had kind of slowed everything down because it was His day.

The fat brown hand twisted the top from the metal can and then slow, slow, began to pull out the dasher, scraping it with a wooden spoon and pushing the creamy goodness back down with firm, sure strokes.

"For Pete's sake, leave me a little," begged Sara, pulling at Callie's arm.

"Hush your mouth," Callie said mildly. "I'm leaving you a plenty."

"Well, hurry. It's melting!"

"Lord have mercy," sighed Callie. "Take it then, and git out in the yard with it so you don't drip it on my clean porch."

Sara had to lick fast because the sun was so hot, and Callie, watching, began to laugh.

"Law, if you ain't like your Papa for the world! I can see him right now, standing in the same spot, licking to beat the band, scared old sun gonna get more'n he did."

Poking her tongue cautiously between the blades of the dasher, Sara tried to think of Papa being a little boy. She'd seen pictures of him...one even in a dress,

with curls...but she couldn't really believe it was him. He was so tall and strong, his arms were hard as rocks, and now his hair grew down in a black, thick point on his forehead. When he kissed her his mustache tickled, and he smelled good, like Bay Rum and whiskey. Papa was always teasing, and making her laugh till she cried. He never told her to stop that, or do this, like Mama and Callie; and he had taught her to swim in the river and play ball and build a fire in the woods. He knew the difference between rocks, and the names of all the trees, and sometime he was going to show her how to shoot a gun, only it had to be a secret. Mama would have a fit if she knew, and Uncle Jim would put the tips of all his fingers together and look over his spectacles and say,

"Now, do you think that's advisable, Dick?"

Uncle Jim was tall and thin and wore a ruby stickpin in his tie and looked like Papa, only old. You could see the skin of his head, pink and slick like a baby's, through his gray hair; and when he took off his spectacles there were two little dents on each side of his nose. When Sara was little she used to sit on his lap and listen to his big gold watch; and every Monday he gave her fifty cents and then told her to put it in her china pig. Uncle Jim knew all about money, because he was president of the bank, but he kept saying it didn't grow on trees and was hard to come by.

When the last sweet drop was gone, Sara rubbed her hand across her mouth and came up the steps, holding out the sticky piece of metal.

"Here," she said. "Take it, Callie...I'm through."

"No you ain't through, not till you washes it. And git it clean, too."

"Aw, hell!" said Sara, starting for the door, but Callie's arm shot out and grabbed her by the shoulder.

"What you mean, cussing like that? And on Sunday, too!"

Callie stuck her face down close to Sara's and her eyes were mad and squinty, the yellowish whites crisscrossed with little red veins.

"You want me to wash your mouth out with Octagon soap?" she asked, harshly.

"Quit jerking me!" Sara bawled, squirming in the iron grip. "I'm gonna tell Papa on you."

"Go on and tell your Papa. I done scrub his mouth out plenty times when he was little, and I scrub yours,

too, do I hear you cussing one more time. Now git in yonder and do what I tell you. They be coming from church any minute, and I got my table to set."

"Oh, you think you're so big," muttered Sara, pulling free and opening the door.

"I bigger than you," said Callie, "and don't you forget it."

Ah, you don't scare me, thought Sara, dropping the dasher into the sink and turning on the water.

"Quit bamming it down like that. You want to bust it?" asked Callie, but Sara knew better than to answer back.

When she had finished and laid the dasher on the drainboard, she dried her hands and went over to the kitchen table where Callie, her face like dark stone, was slicing tomatoes into a round cut-glass dish. The dish sparkled like diamonds in the sunlight from the windows, and the tomatoes were red as blood. Callie's bottom lip stuck way out, and she kept her eyes steady on the long blade of the knife, blackened and thin in the middle from so many sharpenings. Sara sighed. Sometimes it was hard to make up with Callie, specially if she had the misery in her bones. But anyway, she had to try.

"Can I help you set the table?" she asked, in her politest voice; and then, when there was no answer, "Please ma'am?"

Callie raised her head and looked at Sara hard, but after a long minute her lip went back where it belonged and her shoulders began to shake, jiggling the vast bosom beneath them. At first there was no sound...she just stood there, shaking; and then suddenly her high-pitched laugh rushed out into the hot, fragrant kitchen to mingle with the bubbling of pots on the big black stove and the steady drip-drop of the faucet over the sink.

Sara sighed again, this time with relief, and then she giggled. Everything was all right when Callie laughed.

They had just put the last snowy napkin into its silver ring when the clock on the stair landing began to whir and rasp, its four musical chimes sounded twice, and a solemn BONG announced the half hour.

"There they come up the walk this minute," said

Callie, poking her head out into the hall. "You g'long upstairs quick and put your dress back on before Miss Sally see you. You know how she feel about them pants."

Sara frowned, but she knew Callie was right. Crossing the hall and starting up the steps she thought, I wish everybody would leave me alone.

"Git yourself a clean towel out the linen closet," Callie called after her, and then the front door slammed and Sara heard Mama say,

"Mercy, it's hot outside. What a relief to get home."

Mama's voice was soft, like the rest of her, and even though she was fanning herself she looked dainty and cool. Peering through the bannisters on the second landing Sara saw Papa fling his straw hat down on the window-seat and walk straight to the dining room, not saying a word or looking at anybody; while Mama, watching him from under her hat brim, sighed and put the fan away in her handbag.

Uncle Jim, who never threw things, hung his hat on the hatrack, pulled a handkerchief from his pocket, and mopped his forehead.

"Too hot for sherry today," said his deep, rumbling voice; but in the dining room a glass tinkled and Papa answered, loud and clear,

"It can't get that hot."

Shaking her head, Mama started toward the stairs and Uncle Jim, shrugging his shoulders, went into the living room. Sara ran up the rest of the steps and crossed the hall to the linen closet next to Mama and Papa's room, a big walk-in closet with a round stained glass window that let in little squares and triangles of colored light, red and green and yellow, that danced over the stacks of sheets and pillowcases and towels arranged on the shelves. Reaching for a towel, she realized that Mama was almost at the top of the stairs, so she stepped in quickly and closed the door, wishing she'd never taken off her Sunday dress to begin with.

Mama went to her room and then, before Sara could get out again, Papa came. Following Mama in, he slammed the door hard, and then he said,

"By God, we're leaving. I've had enough."

"Oh, don't be silly, Dick," answered Mama, her voice sweet and reasonable.

"I mean it, Sal. This time I mean it."

"And just where do you think you're going?" Some

of the sweetness went out of Mama's voice.

"Anywhere, dammit! Anywhere away from here. I'm through taking things from him, you hear? He hands everything out on a silver platter...job, house, food, advice...oh, plenty of advice!" Papa's voice sounded strangled, and Sara heard a loud thump, as if he'd thrown something down on the floor.

"That's simply ridiculous, Dick. What could you do, away from here? How would you live?"

"Do? Hell, I'd get a job, like everybody else, and live like other people, with a house of my own and a family of my own, and no smart big brother handing out favors and then telling me what to do!"

"You ought to be ashamed of yourself," Mama cried. "Brother Jim's been like a father to you, done everything in the world for you. How can you be so ungrateful?"

"Because I'm tired of being grateful, that's why, and damn sick and tired of him doing everything for me. And now he has the gall to say we ought to send Sara away to boarding school, make a little lady of her! Advising me about my own child!"

Sara's insides squeezed up, like a hand had grabbed them. Were they going to send her away? But then Mama said, angrily,

"It's for her own good. Why, it's all I can do to get a dress on her, and you know it. But if you think I'm going to leave, you're crazy. I'm not going one step out of this house!"

"Oh, I know you don't want to go, Sal. You like being the bank president's sister-in-law, running his house, bossing his servants, entertaining his friends. You like sitting at the foot of his table, with him at the head, tinkling your little silver bell for Callie whenever he wants something. And there I am, sitting in the middle, in the middle, by God, like a child! But I'm not a child, Sal."

Papa's footsteps crossed the room, and then Mama gasped,

"Stop it! You're hurting me! Let me go!"

But he just laughed.

"You don't fool me, Sal, not for one minute," he said, his voice low and fierce. "I know what you're thinking behind that smile you wear, behind those big, innocent eyes. I know what you're pretending...pretending

you're Mrs. James Boatwright, not Mrs. Baby Brother Richard Boatwright! In church today, pretending, so solemn and sweet, helping him hold the prayer book. And walking home, bowing and smiling, speaking to everybody, pretending! Sitting on the porch at night with him, talking about having the house painted, his house, and should Sara have a pony or not. A pony, by God, while I stand in that teller's cage day in and day out, not making enough money to keep me in cigars. Play-acting, all day long!"

"That's a lie," said Mama. Her voice was icy. "Take your hands off me."

"You don't really want me to do that, Sal." Papa's voice dropped to a whisper. "You like my hands on you ...that's one thing you still want from me, one thing I do for you that he can't. Even if he wasn't so righteous and God-fearing and good, he couldn't, because he's too damn old!"

"Stop that, you disgusting, filthy...stop talking that way! You want him to hear you?"

"I hope he does. I wish he'd heard me last night, and all the other nights, and I wish he'd heard you. Suppose he'd heard you last night, Sal, when you...."

"Hush!"

"But you wouldn't like that, would you?" Papa went on, in the mean voice Sara had never heard before. "You wouldn't like it one bit, because if he did you wouldn't be able to pretend anymore, and neither would he!"

Sara heard a sharp crack, like a slap, and a scuffling sound, and then the door opened and Mama ran out, her high-heeled shoes going tap-tap-tap on the floor, and click-click-click on the stairs; and then suddenly there was a scream, long and drawn-out, and a horrible thumping, bumping noise, and Papa yelled,

"Sal!"

Jerking open the closet door, her heart pounding, Sara saw him run across the hall and dash down the steps. Her knees began to quiver, but somehow she managed to get to the stair rail and, looking down, she saw Mama lying all crumpled on the second landing, one leg twisted and queer looking; and Papa, kneeling beside her now, holding his head in both hands and rocking back and forth.

"Oh God," he moaned, "Oh God, Oh God!"

Sara grabbed the newel post, because the world suddenly seemed to tilt, and a sick, salty taste came in her mouth. Down below, Uncle Jim came out of the living room, trotting stiff legged, like an old horse. Then Callie, her old shoes going slip-slap, her big body waddling from side to side, pushed through the swinging door to the dining room, crying,

"Lord God, have mercy! Sweet Jesus, have mercy!"

Suddenly Sara heard her own voice, shouting,

"Get the doctor! Somebody get Dr. Sterrett, quick!"

But nobody moved. They were like people in a picture, like statues.

"Do something!" Sara shouted, and then their faces turned slowly upward and they stared at her, dazed, as if they'd forgotten she even lived there.

She began to run down the steps, down and down and down, past their startled eyes, down to the bottom at last; and then she was out in the street, out in the glaring sunlight, running, running.

When she finally reached the doctor's house her breath was wheezing in her chest, and she didn't even ring the bell, just jerked open the screen door and yelled,

"Dr. Sterrett! Dr. Sterrett! Come quick!"

She heard a chair scrape across the floor and the doctor came out of the dining room, still chewing on his dinner, holding a napkin in his hand.

"What's the matter? What's the matter?" he asked, and Sara had to swallow twice, her mouth was so dry, before she could say,

"Mama's hurt bad! Hurry!"

He threw down his napkin and grabbed up a black bag from the hall table, and then she was running again, back toward home; and in a minute, above the pounding of her feet, she heard him coming up behind her, breathing hard through his mouth, the things in his bag clinking and jingling with every step he took.

It was all over now. Everything was quiet and still, and there were shadows in the back yard. Mama was upstairs in the big bed with her leg in a cast and dark bruises on her face and arms. Papa was sitting by her, staring at her, not moving, not saying a word; and Uncle

Jim was on the sofa in the living room with a wet towel on his head. All the neighbors who had come running when they saw the doctor had gone away, and Sara and Callie were on the back porch, trying to get cool.

Sprawled on the floor with her back against the wall, Sara watched as Callie, tilting her head back, dumped some snuff in her lip from a can that said Tuberose on the outside.

"How come you like that stuff?" Sara asked, wrinkling her nose at the smell.

Putting the top on the can, Callie leaned forward and spat over the porch rail, and the old cane bottomed chair squeaked loudly.

"It soothe me," she said at last, reaching down to pull off her shoes.

The first lightning bug came out and blinked twice, and turning her head to watch it Sara saw the squat outline of the ice cream freezer standing in the corner. Then she remembered that nobody had eaten a thing since breakfast, and that seemed like a million years ago.

"Callie?" she asked.

"Mmmm?"

"Can I have some ice cream?"

"Why, sho' you can, Miss Sara."

"What do you mean, Miss Sara?"

Callie heaved her bulk up out of the chair.

"I mean you the lady of the house, now." Her voice was gentle. "Weren't for you, Miss Sally be worse off than she is. Didn't you hear old Doc telling Mister Dick about that thing called shock, all the bad things happen if you don't tend to it quick?"

"Aw..."Sara began, but Callie shook her head.

"Nemmine," she said, and her smile gleamed in the shadowy half-light. "Couldn't nobody in this house got the doctor in time but you, and I knows it. You g'long in the dining room, now, and set in your Mama's place, and I bring you a soup plate full of cream."

Sara looked down at her dirty overalls and grimy tennis shoes, and swallowed hard.

"Maybe I better put on a dress, first," she said at last, and Callie nodded.

"Maybe you better," she agreed, "and I put on my cap and apron. When you ready, just ring the bell."

TOMORROW I'LL BUY A TICKET

There is no greater loneliness than that of a stranger among strangers, and the island on which New York City is built can be as lonely as ever Robinson Crusoe's island managed to be. The loneliness can bite deeply into young hearts; for young hearts haven't yet developed their ridges of scar tissue.

This story tries to say something like that, about the need and what can ease it. There is the hope, if not the promise, of a happy, happy sequel.

Fred Daugherty was born in Baltimore and graduated this spring from Durham High School. He was seventeen when he wrote TOMORROW I'LL BUY A TICKET. He wants to educate himself for a writing career, to write professionally and to be published profitably and successfully. With continued effort and improvement, and a little luck, there is no reason why he shouldn't achieve all three projects.

TOMORROW I'LL BUY A TICKET

by R. Frederick Daugherty

Bobo was in New York. He was in New York and all alone. It felt different from the last time. His mom and dad had been with him then. But that was a long time ago, way back when he was just a ten-year old kid who had never been to the big city before. This time was different. He was older, almost twenty-two, more mature and worldly; and alone. There was no one with him this time. The thrill of it sent indefinite fingers scampering over his skin. He wanted to shiver, but he couldn't let himself, not here, not in New York. In New York nobody showed that he was impressed. A real New Yorker never got excited. And Bobo wanted everyone to think that he was a real New Yorker. He wanted to look like a native; act like a native.

"Hey you! Lookout where youse goin'!"

A red-faced hack driver was swearing at him from behind the dirty windshield. Bobo jumped back to the curb. His face and hands sweated with embarrassment. The cab driver glared past, muttering obscenities. Bobo looked up. He tried to look un-caring, but his face was flushed. He looked down, afraid everyone was looking at him, knowing that he was just a country hick. He hurried on. He was at the Battery now. He could see the docks from here, and---there it was--the Staten Island Ferry. He had been here before, but today was different. Today he had a reason for going to the Island; he had a job there. Today he would start to help build a bridge, the longest suspension bridge in the world. Today he started his life of independence. From now on Bobo had no one to consider but himself.

He hurried across the pavement, habit forcing him to look both ways, even here in New York, the city of one way streets. Then he ran up the asphalt ramp through the gate. On his right he passed a little booth with a sign that read, "Commuter Tickets for Sale Here".

Tomorrow, he thought, tomorrow I'll buy a ticket. He was glad he would be a commuter. All real New Yorkers commuted.

He tried to walk like the people around him; slowly, almost tiredly, but it was hard to keep from bouncing as he moved along. The terminal building was new, like so many things in the city. This was a city of change. It was dynamic, not sleepy like South Hill, Georgia, where Bobo had lived until last Wednesday. But today was Monday, and he was in New York.

He stopped at the glass doors and looked back at the city. New York, New York. The city. God, it was big! He felt so small. He saw the skyline of Manhattan; the Empire State Building, the R.C.A. Building; they seemed to keep on going up and up and up. Was he really there? He still didn't quite believe it. He was in New York all alone.

A loud Awhoooo thundered through the air. The boat! It was coming in. He shoved open the door, jogged over to the turnstile, fed it his nickel, and joined the shuffling crowd on the loading ramp. He let himself be herded along with the others onto the deck. Then he remembered; he had forgotten to buy some postcards. He smacked his fist to his palm. He just <u>had</u> to let everybody back home know he was in New York. He had day-dreamed of the sensation he would cause. He remembered the way everybody had acted when Joey had gone to Miami. He had to be sure to send one to Lisa Addams, the stuck-up little... He remembered the fuss she'd made over Joey--now she'd be sorry she hadn't paid <u>him</u> more attention. He'd be practically the most famous person in South Hill. Even Joey had gone with his whole family; Bobo was all by himself.

He was all by himself in the largest crowd in the world. In this city of millions and millions, Bobo knew on one, and no one knew him. He knew no one to talk to, or even nod to. There was no one to meet, to walk with, to care about: he was alone. He wished he knew a familiar face, a friendly face; a face that would smile a welcome when it saw him coming, but he didn't.

The fog whistle shook the air again. The boat shuddered, then vibrated, and the deck jerked beneath his feet. He leaned over the rail and looked down at the tormented water beneath the stern. Such <u>Power</u>.

Bobo had never seen anything quite like it. The propellers smashed the still green water in the docking slip into a foaming white terror of currents and counter currents. He gripped the rail tighter and tighter. His hands turned pale from the pressure. They made a sharp contrast to the thickly painted, dull black pipe. He forced himself to ease his grip, and watched nervously as the boat inched slowly ahead; slowly, carefully. But suddenly it started to slip into the pilings! The foot-thick timbers were crushed back like broomstraws. Log against log against log until hundreds of timbers were groaning and creaking and snapping in protest. The boat ground to a stop, then straightened and went forward. It picked up speed steadily and cleared the slip. He looked back and up--there it was--The New York Skyline, looking just as it did in the pictures. Tall and taller and taller still, the tops seemed to sway against the sky. Their height freed the thrill that was caged in his stomach, and it fluttered up his throat. Just then a helicopter wirred upward from a concrete platform. That must have been the Kennedy Heliport. Bobo watched until the 'copter was swallowed by the sky scraping cliffs. Then he looked down the river to the Brooklyn Bridge; he could just see it through the mist. Looking the other way, he saw the new Verrazano-Narrows suspension stretching out over the deep green water. His heart pounded; today he would be a part of her. The foreman had agreed to try him for a day, and if he was good enough, Bobo had a job. He stood there for a while and let himself dream. He sighed, then walked to the starboard side. Standing proudly, the Statue of Liberty looked down on the city and the harbor. This was the very sight that had inspired so many Americans. It held Bobo in rapt attention. This was really The Statue of Liberty. This was really New York harbor; this was really New York, and Bobo was really there. He stood motionless until the statue fell behind and there was nothing left to stare at except the dark greenish-grey water. Then, as if in a trance, his face a mirror of awe, he wandered forward to the bow.

Reality, in the form of a little kid, smashed into him him head on. A boy about ten, with black hair and an olive skin. He wore a white tee shirt with a Star of David on the front. There was another kid, and

another--he was surrounded by kids. They were all running about and shouting. Bobo saw a fat, short, balding man of about fifty. He was dressed the same way as the boy, only his shirt had "Counsellor Camp Emmanu-El" printed on it. Bobo had walked into the middle of a Jewish children's day camp. They were in exodus from the city. Why in the world did they want to leave New York, even for a little while? It was such a fascinating place. It had everything. He couldn't understand these shouting kids. He skirted on past them and around to the other side of the boat. He stood there watching another ferryboat coming from the opposite direction. He could read the name painted on her bow--Mary Murray. He watched her pass by. Then a flutter of white caught his eye.

A gust of wind flirted with the skirt of a girl a little way down the deck. Her back was to him. She had gently curving legs. She was tall and very well built. She leaned against the rail and tossed her head. Bobo saw her face. She was beautiful. Bobo stood paralyzed, she was the most beautiful girl he had ever seen. She must have been a model or something. God, he thought, all New York girls are beautiful. Not drab, like the girls back--wait, she was crying. There were tears on her cheeks and her eyes were wet. She twisted a ring on her finger; then she pulled it off and held it in her graceful hand. She looked at it as she held it on her palm. A single tear fell softly on the coldly glistening facets. Then she threw her dampened dreams into the swirling wake. Bobo looked at her, then at the cold water below. A fearful chill grabbed him; he knew that he was in New York--and alone.

She turned to leave and Bobo saw that it was his last chance. Now he was standing beside her, holding out his handkerchief.

"Here," he said, "It's new."

She looked up, puzzled. Bobo held out the handkerchief. She took it from him, dried her eyes, and looked up at him. She smiled as she winked away the tears. And when she gave him back his handkerchief, her hand lingered on his. And Bobo felt the warmth of her hand. He wanted to say something wonderful, but all he could think of was, "Are you going to the Island?"

"Yes," she answered, smiling still.

"I'm going to be working there," Bobo said, wanting to tell her more.

"I live there," she said.

Bobo hoped she wouldn't take her hand away, and she didn't.

The Search

The tale is told here of a man who never has had much of what most of us call happiness or security, but he has not fretted. He remains dignified, assured and honest, without insisting on recognition of these qualities in him.

I like best the part where Jeb Lindsay finds new friends along the way. Slim and his mother and Reverend Jabobs are as quiet and casual in their good will as is Jeb himself. What they do to help Jeb's search along is done with a natural, unstudied grace of spirit and manner. Such virtue is its own very rich reward.

And it is at the very end of the story that Jeb tells himself, and us, what kind of a man he is.

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The Search

by J. Simona Lee

He stared at the pile of quarters and dimes on the table - "You can do it now, Jeb," he told himself out loud. "You can do it."

Often he talked to himself, for he lived and dreamed alone. His strong dark fingers took up half a dozen coins. They felt good, they sounded good as they clinked. This week's grass-cutting money would make the pile bigger.

Sitting at the table, Jeb looked at the money. The only light in the room came from the fire burning brightly on the hearth. It touched the silver on the table and made shadows flicker in the room. Jeb's face was like cast bronze in the play of the light. His thick hair, cropped close to his dark skull, showed gray streaks like cobwebs in the black. Deep lines sketched his face, as though he had known struggle both within and without himself--and had won and had been hurt winning. His eyes were brown and determined. He was almost six feet tall and in his early seventies. His age showed when he stood or walked. Then his body stooped in concession to long years of work.

Thirty years ago Jeb Lindsay had come here to eastern North Carolina with a group of migrant farm workers. But he did not leave with them. He had settled here in Winfall to become a handy man-about-town. Jeb was a strong, healthy man. He found plenty to do, and he was industrious and thrifty. He had told nobody the great aim of his life. Living in this one-room shanty, he laid by every cent he could possibly spare for what he yearned to do.

Jeb went to bed that night and slept the sound sleep of one who had finished a tremendous task. The next day he pruned and cleaned yards as skillfully as ever. But his mind was busy making plans. Jeb had always envied other men who had some sort of family life,

especially during the seasonal celebrations. Thanksgiving, Christmas, New Year's--they weren't happy holiday times to Jeb. Not that he wasn't remembered on those days -- quite the contrary. The people he worked for liked him for his quiet business-like manner, his sober skill at what he did, his sturdiness of body. He got chickens at Thanksgiving, pies at Christmas, and he got things other times, too. He wasn't a stranger. Nobody stayed a stranger in Winfall.

But Jeb had no kinfolks. Friends are all right. They are close or casual, and in Jeb's case they were mostly casual. He had kept himself apart, working steadily toward his goal. Friends smile, and they sympathize and they help. But they aren't blood kin. A man's blood calls out, and it chills when blood does not answer. Buddy Ben, his brother would have married by this time, most likely, and would have a family. These were the people he wanted to find, his "close kin," to know where they were, and to feel like a home-body in their midst.

Now that he had saved money for the trip, he'd better plan which way to go. Having come straight up the coast from the lower South Carolina section, he figured that it would be well to go back the same way. Clothes? He had that suit Mr. Steinway had given him sometime back. He'd never even worn it yet.

As he chopped away the dead undergrowth and made the wide grounds ready for spring planting, Jeb's thoughts went back to his childhood.

His father had been a hard-working farm laborer who, it seemed, had spent all his time walking up and down furrows behind a mule. The most that Jeb could ever remember of his father was this going to the fields in the morning or returning from them in the evening. Then, when Jeb was about five years of age there had come a morning when his father did not go to the field. A lot of people had come to the house and carried his father away in a box. Nobody explained the meaning of death to him, nor was the word even used. Jeb and his brother Benjamin were told that their father would not be back.

Two years later their mother died. Jeb remembered that she seemed to be forever washing or ironing big baskets of clothes and had very little time to talk to him or Benjamin. Then one day they took her away, too.

He had learned by this time what death meant, had known without being told that she, like their father, would not be back.

Time erases many memories both good and bad. So time had worked with Jeb. His parents he no longer associated with living, human flesh; they were shadows concerned with mules and furrows and washing and ironing. Benjamin was a different matter. He was nearer and closer in time. Too, Jeb had a feeling of guilt about Benjamin--Buddy Ben, so young to have been left alone.

When their mother died the boys were sent to a home in Ocala, Florida. It was just about this time of year, Jeb reflected that the headmaster always took a select group of the better voices and made what was called "The Northern Spring Tour." Jeb never had much of a singing voice, and he never got chosen. But his brother did - every time. And that was one reason why Jeb had finally run away.

Picking beans, digging potatoes, living in make-shift quarters with other migrant workers, Jeb had made his way from Florida to North Carolina. It had been easy to get along here in Winfall. Gradually he became known as just about the best yard-man in town. Folks said he had a green thumb - sometimes it really was green, with the sap of weeds he resolutely pulled, with the juice of leaves he culled so that other leaves would grow. Jeb worked alone and liked it. But as he worked his mind traveled. Often images of his brother fixed themselves in his mind's eye. Was Benjamin dead? Or was it possible that he might be alive? Jeb had left the orphanage almost sixty years ago. The century was young then, and so was Jeb. Now, many years later he realized that jealousy had caused him to run away and leave his brother. Benjamin could sing. Benjamin had been selected to go on the money-raising trips. Benjamin! Benjamin! Jeb had felt for a long time that he owed it to Benjamin to seek him out. Just the two of them--they never should have separated.

The people here in Winfall were very friendly. Often, at a chilly noon-time, Mrs. Brown, the banker's wife, or Mandy their cook would come to the door - "Jeb, it's soup day. You'd better come in and get some before you leave." It got so that Mandy would simply yell, "Jeb Lindsay come on in this kitchen and get this soup while

it's hot."

"Everybody here's good folks," he told himself, "but I've just got to find Buddy Ben."

Two days later Jeb boarded the bus. Everyone had been very kind and understanding. Yards could wait until Jeb got back. Just be sure to leave no stone unturned in the search for his brother. As the bus trundled from town to town it seemed to mock Jeb - "Your brother is dead. Your brother is dead"....."Go home - Go home - Go home."

As his bus neared Ocala, Jeb searched for familiar landmarks, something out of the past to bind him here, but he saw nothing. He climbed from the bus outside the furniture store that served as a depot. Loafers looked at him curiously. He stretched his stiff limbs and pondered over the next move. Warmer here than it had been in North Carolina yesterday morning. Good thing, too, because Jeb did not own a top coat. He picked up his small satchel and started to walk away.

Could this be the town he had left sixty odd years before? He saw nothing that he remembered. The muddy lanes of long ago had turned into paved streets. Buildings rose high - some of them old, all of them strange. Jeb wondered about the Home. Was it still here? Ocala had turned into a big place to look a body in. He felt daunted and lonely.

Then a hand caught Jeb's sleeve, and he turned quickly.

"You come far, Mister?" asked a long-legged young fellow with a tea-tan, smiling face. He had hurried from among the loungers at the depot to overtake Jeb.

"No," replied Jeb guardedly. "Just from North Carolina."

"My name's Slim Edwards." A broader smile, trying to breach Jeb's reserve. "You aimin' to stop here awhile?"

"Why, no" answered Jeb. "I'm tryin' to fin' some of my relations. You know any Lindsays in these parts?"

"Nope, can't say I do, Mister," answered Slim, smiling again. "But, I'll sure be glad to help you all I can. Seems to me your face is familiar. Who's your folkses?"

"Can't rightly say," answered Jeb. "I had a brother here sommers back about sixty years ago. But I lost track uv 'im."

"You don't say! Man, that was before my time. But there is some old folks here who might could help you. What's your brother's name?"

"His name was Benjamin. But we called him Buddy Ben at the Home."

"The Home?"

"Yes, that's where we went when Ma and Pa died - The Home, right here in Ocala."

"Oh, yes! I heard tell o' that place. Ol' Fessor Leak had the childern singin' and doin' to raise money."

"Yes, they sung when we was there. But 'twon't no 'Fessor Leak. "Twas 'Fessor Brown then."

"Maybe so. "Fessor Leak died in the Ol' Folks Home 'bout ten or fifteen years ago. I heard my Mama talk about that childern's home. How the childern sung to raise money to keep it up."

"Is your Mama livin, Son?"

"Sho is. Runs the onliest boardin' house for colored in this town."

"Was she born here?"

"Sho was."

"Then maybe she can tell me somethin' about Buddy Ben. He was youngern me."

Jeb found himself using the past tense to talk about his brother. He had no proof that Buddy Ben was dead, but no proof that he was alive, either. As they approached a house set well back from the street Slim slackened his pace and Jeb did likewise.

"This is the house," Slim said. "Ma'll be in the cafe."

Jeb saw the shoplike structure farther up toward the street stuck about with gaudy advertisement posters. The two entered and Jeb suddenly felt his hunger. He hadn't eaten since the night before. He looked at a clock on the wall; it was well past noon.

"Ma, this is Mr. Jeb Lindsay, come lookin' for his kinfolks."

"Howdy, Ma'am."

"Howdy, Mr. Lindsay. You come from far?"

"Just from North Carolina, Ma'am. I sure would appreciate a bite to eat if 'twon't put you out."

"I'm in business to sell, Mr. Lindsay. What'll it be? We have fish, or pork chops."

"Fish, please, and whatever else goes with 'em."

Jeb seated himself on one of the counter stools and studied the woman who had turned to fill a plate for him. Fat, yet light on her feet, she seemed to be the sort of person who would know everything about everybody. Light brown in color, she wore her dark hair in a bun. She was comfortably dressed in checked gingham and a cover-all apron. She would be just about Buddy Ben's age he reckoned, give or take a year or two. But had she known any of the Orphanage folks? Maybe this was not her home, even. One way to find out -

"Ma'am, would you know anything about the Home for Children that used to be here in this town?"

"Sure would, Mister Lindsay," she answered, turning to look at him. "I used to go past the Home on my way to school. Some mean children, they were. Threw rocks at them many a time."

"My brother stayed there after I left," said Jeb. "He must have been twelve. I ran away, worked my way up far as North Carolina. And I been there ever since."

Mrs. Edwards promised to do all that she could to find things out for Jeb. And being a motherly, bustling sort of person she did just that.

With the help of Mrs. Edwards Jeb learned that Buddy Ben had left Ocala and the last anybody remembered was that he married some girl from an adjoining county. Perhaps if Jeb went to Slade City somebody there could help him. A week later, Jeb caught the bus once again.

In Slade City Jeb made the acquaintance of Sister Mary Brown, housewife, part-time evangelist, and singer. She was a hearty, middle-aged woman, happy to tell Jeb the little she knew of his brother. Yes, Ben Lindsay was dead. Seemed he'd left a son, but where the son was nobody knew. Perhaps the local Baptist preacher could help Jeb. The Reverend Jacobs traveled about a lot.

With very little hope of success, Jeb called at the parsonage on the evening before his departure for home. He had found not a single person who could tell him anything definite about his brother. And, there were no Lindsays in the vicinity. "If I could just find

myself a cousin," he thought gloomily.

The Reverend Jacobs was a big man and tall. He spoke in a booming voice. Light chocolate brown in color, his hair gray at the temples, the preacher seemed to Jeb a solid rock of comfort. Reverend Jacobs listened attentively as the sad tale unfolded. Several times he leaned forward as if to interrupt. But he did not. He drummed on the table beside him with his fingers and spoke no word. When Jeb finished, there was complete silence in the room. Finally the minister spoke - "Mr. Lindsay, I believe you are a very determined man."

"I jus' want to fin' my folks," answered Jeb. "I b'lieve I got some close kin sommers."

The minister got up and walked over to a bookcase. From it he took a small paper bound book. Coming back he placed the book in Jeb's hands.

"That is the current catalog from Quinn University," he said. "Inside is a picture of the President. Look at it."

With trembling fingers Jeb opened the book to the portrait. He looked for a long time. Finally he said, "But, but that's not Buddy Ben!"

"No," replied Reverend Jacobs, "that's not your brother. But listen."

And taking the book he turned a page and read -

"President Jeb Lindsay is a product of this school. His father, Benjamin Lindsay, orphaned at an early age, was himself reared in the old foundling home in Ocala. President Lindsay says that he owes everything to this father who struggled to educate him."

Jeb took the book again and looked at it.

"You mean that's Buddy Ben's boy?" he uttered in a whisper.

"Yes, Mr. Lindsay. It seems so."

"Well! Who'd a thought it?"

Jeb turned the book this way and that in order to get a better view of the face in the photograph. President John Jeb Lindsay. This was his brother's boy - Buddy Ben's boy, named for him! Why, Buddy Ben had remembered him. He had been forgiven, else why would the boy be named for him?

"What are you going to do?" the minister was asking.

"Why, I don't rightly know," said Jeb, a frown

creasing his brow. "But I'd be much obliged if you'd tell me where to find one of these books, please, sir."

"You may have that one, and welcome."

Out on the street again, Jeb walked slowly toward the bus station. Questions piled up in his mind, and slowly answers came to them.

Quinn University, where Buddy Ben's boy was president - - - Where was this Quinn University? Would his brother's son be glad to see him? How would he, Jeb Lindsay, look visiting a college?

"No," he finally decided aloud, to himself, "I won't go. I expect Buddy Ben told the boy about me, seein' as how he's got my name. But go lookin' him at that big college? Shucks, I never even fitted in at the home."

There was the bus station up ahead. Along the street, spring had come in earnest. The trees and the shrubs budded strongly. Leaves were brightly, abundantly green. Birds sang, lots of birds.

Folks had been good to him, all along the way. Slim, Mrs. Edwards, Mrs. Brown, Reverend Jacobs, everybody. They'd acted to Jeb like his own blood folks.

He wouldn't bother that other Jeb Lindsay, President Jeb Lindsay of Quinn University. But the others, he'd send them Easter cards, the same as if they were kin to him . . . .

"Easter!" he cried out to himself, "My gracious, I'd better get back to my yards."

MAMA HEDGED HER BETS

Religion and death are the active principles here. They are treated in a hearty spirit of fun that is neither shallow nor irreverent. Comedy, people keep saying, is close to tragedy; and it may be doubted that God ever yet demanded gloom as a necessary ingredient of piety.

A number of people come to life in this story, and all of them might be good to know better.

Bob Moren was born in Pittsburgh and attended Carnegie Institute of Technology. He has been a commercial airlines pilot in both North and South America. Now he is an electrical engineer, living in Graham, North Carolina. The writing of fiction is a recent but absorbing activity for him. He hopes to become a professional writer of short stories, not all of them humorous.

MAMA HEDGED HER BETS

by Robert E. Moren

Mama was seventy-four when she fell off the bus at 79th Street and 17th Avenue and broke her hip. That was bad enough all by itself. What made it worse was when my sister Maggie found out Mama was headed for Hialeah to play the horses. The rest of us, my brother Hank and me and our other sister Ginnie, told Maggie that Mama only played the horses once a year. It was the God's truth. Usually Mama went to Biscayne track and gambled on the dogs. Mama said the stupidest dog in the world was smarter than a Phi Beta Kappa horse.

Maggie was pretty upset. I think she was more upset about Mama's gambling than about the broken hip. Maggie was married to John Farron, a Methodist preacher who thought Miami was a suburb of hell and I guess some of his thinking had rubbed off on her. John was a good egg and we all liked him but Mama used to ruffle him a little when she said honest gambling looked better in the eyes of the Lord than a lot of stiff-necked, put-on piety.

Mama knew almost every bookie in Miami by his first name. Her favorite was a skinny little guy called Cabbage. I don't ever remember hearing his last name. In fact I don't know his first one either. Everybody just called him Cabbage and let it go at that. He was a sad-eyed character who talked without moving his lips. He always wore a pale green suit, a red bow tie and yellow socks. From a distance he looked like the Ethiopian flag rolled up on a bamboo pole. Mama said bookies were a lot more honest than bankers. According to Mama a crooked bookie usually found himself at the bottom of the Miami River wearing concrete shoes, but a banker who five-fingered the cash box retired to Rio with a wad of the long green. That's why Mama didn't believe in banks. She had about $9000 in savings bonds after Pop died. She cashed them all in when Eisenhower was elected

president.

"Give a General money and he'll start a war someplace just to keep in practice," said Mama. She gave the money to me for safekeeping and I made some pretty good investments for her. I paid her rent and grocery bills and doled out about $90 a month so she'd have a little wild money to spend on herself. I didn't know Mama was gambling then. I found out about it one day when Cabbage mentioned that if he had Mama's luck he'd be able to buy the Hialeah track in less than a year. I told Hank and Ginnie about it but not Maggie because I knew how she felt about that sort of thing.

Mama had quite a family. When Ginnie married a sharp lad named Ike Stern, Mama was delighted. Ike worked in a brokerage office on Miami Beach. His name sounds Jewish because that's what he is. Ginnie became a member of the Jewish faith two years after they were married and Mama was so carried away by the whole affair that she gave Ginnie a rosary. Mama was a little confused I guess. Ike got such a kick out of it he had the rosary mounted in a small picture frame and hung it in their living room. I play the stock market occasionally so Ike's connections in the brokerage business made him a good guy to have in the family.

My brother Hank manages an ice plant in South Miami. He was a Baptist for awhile but he sold so much ice to the night club bars he acquired a taste for Scotch and had to make a choice between the Baptists and the booze. He's an Episcopalian now so things worked out fine. He goes to church on Sundays and can still have a few drinks on Saturday nights.

I was in the marines for six years and there were so many Catholics around I took instructions from the chaplain a rugged little priest named Slattery. He heard my first confession. After six years in the marines I needed it. He must have had asbestos ears because he never so much as changed expression during the whole ugly recital of past transgressions. He only suggested that I get a copy of The Confessions of St. Augustine and do my best to stick by the rules.

Except for weddings and funerals, Mama never went to church, at least not for the regular services. She attended a lot of bazaars at the Episcopal church and ate plenty of fried chicken with Methodists but she liked

bingo with the Catholics best of all. I asked her once if she wouldn't like to join some church and even gave her a prayer book. She must have read some of it because she told me later that she always murmured a quick prayer to St. Jude when she headed for the dog track. St. Jude is the patron saint of hopeless causes so Mama figured he had a long-term lease just outside the two-dollar window at all the Florida tracks.

About once a month the whole family would get together at my house and have a ball. I'm a bachelor and have a pretty nice place in Coral Gables. When Mama broke her hip, the parties were off until she got out of the hospital. She was in a wheelchair for a few months but after that she got around fine with a cane.

As soon as she was able to make it I invited everybody to a party in Mama's honor. I asked Father O'Toole, an assistant at St. Sebastian's church to drop in too. He was an ex-marine and a good golfer. We'd play golf occasionally and lie to each other about how we won the war in the Pacific.

When the whole crowd arrived it was like a minor league ecumenical council. It's a good thing Mama only had four kids. A couple more and we'd probably have had someone spinning a Tibetan prayer wheel or bowing toward Mecca.

That first party after Mama got out of the hospital started about 6:30 one Thursday evening. I had a caterer take care of the food situation because I'm a lousy cook. After dinner we sat on the patio and talked. I guess it was around 9 o'clock when Mama said she didn't feel so good.

Mama had always looked a little like the female version of Santa Claus. She was short and stout and her hair had been white for as long as I could remember. Her bright blue eyes were always twinkling in a half smile as if she had just heard a funny story. When she said she didn't feel good I could tell she meant it just by the difference in her eyes. Maggie and Ginnie convinced her to lie down and they got her to bed in the guest room. I called the doctor and he arrived in an hour which is about three days better than average in Miami. He examined Mama and afterwards got us all together and said she was in critical condition. He was afraid to move her to the hospital so he called for an oxygen tank, and it

arrived in a few minutes. The party was really over by now. Ike got to the phone and called the Rabbi. He came in just before the doctor told us it was OK to go see Mama.

Father O'Toole met the Rabbi at the door. "Joseph," I heard him say, "we meet again. The last time was in Little River when the East Coast Champion jumped the tracks." They were friends right off, but I guess that was natural since they both represented a couple of pretty old establishments. The Rabbi murmured something I couldn't hear and we all went into the bedroom. Mama was fully conscious. I think she knew she was dying, but Mama was never one to complain. She looked at each of us and smiled.

"Think of that," she whispered. "A Methodist minister, a Rabbi, a Jewish daughter and son-in-law, an Episcopalian son, a Catholic son and a priest. Such lovely odds. Better than four to one."

They were Mama's last words. She died quietly in less than an hour. I like to think that with all those prayers at her bedside there was quite a crowd waiting to lead Mama into Paradise.

She was buried on Monday not far from the edge of the cemetery near a cluster of palm trees. If Mama could see it, she'd really be proud of her tombstone. It's the only one in Miami with both a Star of David and a Cross on it. On a clear night, when the wind is right, you can stand by her grave and hear the dogs yapping at the Biscayne track. I think she'd like that too.